Service
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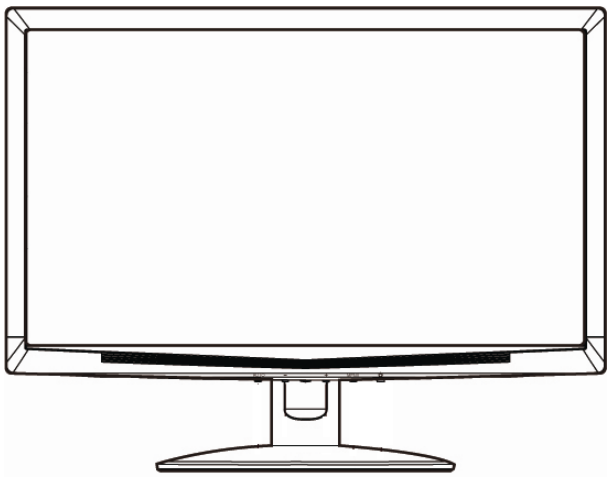


Service Manual

Horizontal Frequency
30-83 kHz

Table of Contents

Description	Page	Description	Page
Table of Contents	1	5.2.Power Board	16
Revision List	2	6.Schematic	17
Important Safety Notice	3	6.1.Main Board	17
1.Monitor Specification	4	6.2.Power Board	21
2.LCD Monitor Description	5	6.3.Key Board	25
3.Operation Instruction	6	7.PCB Layout	26
3.1.General Instructions	6	7.1.Main Board	26
3.2.Control Button	6	7.2.Power Board	28
3.3.OSD Menu	8	7.3.Key Board	31
4.Input/Output Specification	11	8.Maintainability	32
4.1.Input Signal Connector	11	8.1.Equipments and Tools Requirement	32
4.2.Factory Preset Display Modes	11	8.2.Trouble Shooting	33
4.3.Panel Specification	12	9.White-Balance, Luminance Adjustment	37
5.Block Diagram	15	10.Monitor Exploded View	39
5.1.Main Board	15	11.BOM List	41

SAFETY NOTICE

ANY PERSON ATTEMPTING TO SERVICE THIS CHASSIS MUST FAMILIARIZE HIMSELF WITH THE CHASSIS AND BE AWARE OF THE NECESSARY SAFETY PRECAUTIONS TO BE USED WHEN SERVICING ELECTRONIC EQUIPMENT CONTAINING HIGH VOLTAGES.

CAUTION: USE A SEPARATE ISOLATION TRANSFOMER FOR THIS UNIT WHEN SERVICING

Revision List

Version	Release Date	Revision History	TPV Model Name
A00	Aug.9.2011	Initial release	T8AAR52EX81UAN

Important Safety Notice

Proper service and repair is important to the safe, reliable operation of all AOC Company Equipment. The service procedures recommended by AOC and described in this service manual are effective methods of performing service operations. Some of these service operations require the use of tools specially designed for the purpose. The special tools should be used when and as recommended.

It is important to note that this manual contains various CAUTIONS and NOTICES which should be carefully read in order to minimize the risk of personal injury to service personnel. The possibility exists that improper service methods may damage the equipment. It is also important to understand that these CAUTIONS and NOTICES ARE NOT EXHAUSTIVE. AOC could not possibly know, evaluate and advise the service trade of all conceivable ways in which service might be done or of the possible hazardous consequences of each way. Consequently, AOC has not undertaken any such broad evaluation. Accordingly, a servicer who uses a service procedure or tool which is not recommended by AOC must first satisfy himself thoroughly that neither his safety nor the safe operation of the equipment will be jeopardized by the service method selected.
Hereafter throughout this manual, AOC Company will be referred to as AOC.

WARNING

Use of substitute replacement parts, which do not have the same, specified safety characteristics may create shock, fire, or other hazards.

Under no circumstances should the original design be modified or altered without written permission from AOC. AOC assumes no liability, express or implied, arising out of any unauthorized modification of design.
Servicer assumes all liability.

FOR PRODUCTS CONTAINING LASER:
DANGER-Invisible laser radiation when open AVOID DIRECT EXPOSURE TO BEAM.
CAUTION-Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
CAUTION -The use of optical instruments with this product will increase eye hazard.

TO ENSURE THE CONTINUED RELIABILITY OF THIS PRODUCT, USE ONLY ORIGINAL MANUFACTURER'S REPLACEMENT PARTS, WHICH ARE LISTED WITH THEIR PART NUMBERS IN THE PARTS LIST SECTION OF THIS SERVICE MANUAL.
Take care during handling the LCD module with backlight unit
-Must mount the module using mounting holes arranged in four corners.
-Do not press on the panel, edge of the frame strongly or electric shock as this will result in damage to the screen.
-Do not scratch or press on the panel with any sharp objects, such as pencil or pen as this may result in damage to the panel.
-Protect the module from the ESD as it may damage the electronic circuit (C-MOS).
-Make certain that treatment person’s body is grounded through wristband.
-Do not leave the module in high temperature and in areas of high humidity for a long time.
-Avoid contact with water as it may a short circuit within the module.
-If the surface of panel becomes dirty, please wipe it off with a soft material. (Cleaning with a dirty or rough cloth may damage the panel.)

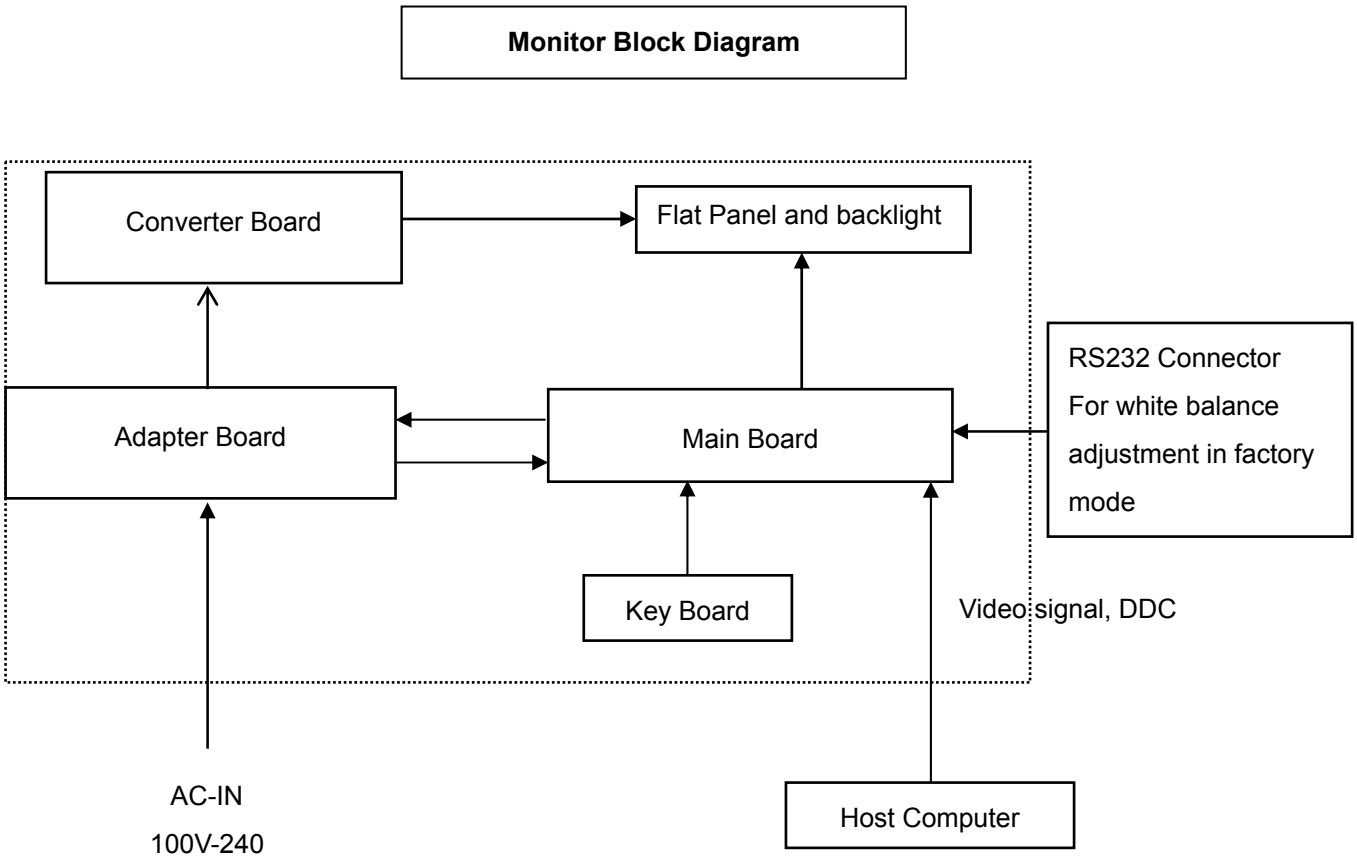
1. Monitor Specifications

LCD Panel	Driving system	18.5″W LCD Monitor with LED Backlight
	Size	47.0cm
	Pixel pitch	0.3mm(H)x0.3mm(V)
Input	Video	R,G,B Analog Interface
	H-Frequency	30kHz – 83kHz
	V-Frequency	55-75Hz
Display Colors		16.7M Colors
Dot Clock		85.5MHz
Max. Resolution		1366 x 768 @60Hz
Plug & Play		VESA DDC1/2B™
Input Connector		D-Sub 15pin
Input Video Signal		Analog:0.7Vp-p(standard), 75 OHM, Positive
Maximum Screen Size		Horizontal : 409.8mm Vertical : 230.4mm
Power Source		100-240V~,50/60Hz,1.5A
Environmental Considerations		Operating Temp: 0° to 40°C Storage Temp.: -25° to 55°C Operating Humidity: 10% to 85%
Weight (N. W.)		2.6 kg Unit (net)
Dimension		440mm*341mm*180mm
Power Consumption (Maximum)		25 Watts
External Controls:	Switch	Auto Adjust button / Exit - / Volume- + / Volume+ Menu / Enter Power Button
	Functions	• Luminance • Image Setup • Color Temp. • Color Boost • Picture Boost • OSD Setup • Extra
Audio Output		1.5W rms (per channel)
Regulatory Compliance		FCC, CE, CSA
Pixel criteria		3-4-5(Bright dot-Dark dot-Total / bright / dark dot)

2. LCD Monitor Description

The LCD monitor will contain a main board, an adapter board, a converter board and a key board which house the flat panel control logic, brightness control logic and DDC.

The power part will provide AC to DC Inverter voltage to drive the backlight of panel and the main board chips each voltage.



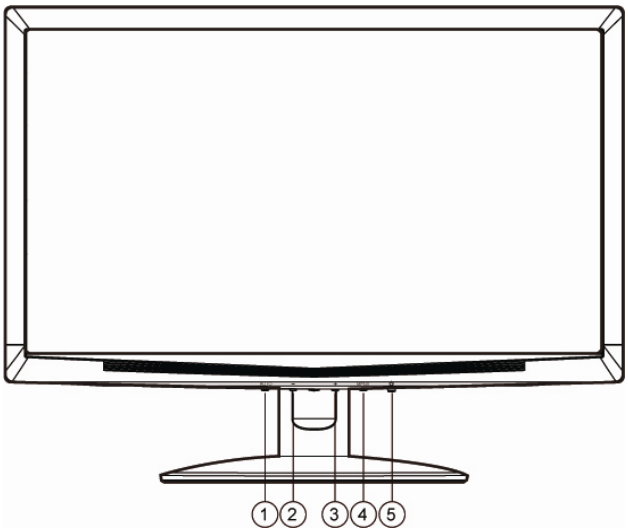
3. Operating Instructions

3.1 General Instructions

Press the power button to turn the monitor on or off. The other control buttons are located at front panel of the monitor. By changing these settings, the picture can be adjusted to your personal preferences.

- The power cord should be connected.
- Connect the video cable from the monitor to the video card.
- Press the power button to turn on the monitor position. The power indicator will light up.

3.2 Control Buttons



EXTERNAL CONTROLS

1.	Auto Adjust button / Exit
2.	-/Volume-
3.	+/Volume+
4.	MENU /ENTER
5.	Power button

FRONT PANEL CONTROL

- **⏻/Power Button:**
  Press this button to turn the monitor ON or OFF, And display the monitor's state.

- **Power Indicator:**
  Blue — Power On mode.
  Orange — Off mode.

- **MENU / ENTER:**
  Activate OSD menu when OSD is OFF or activate/de-activate adjustment function when OSD is ON or Exit OSD menu when in Volume Adjust OSD status.

- **- / Volume-:**

  Activates the volume control when the osd is off or adjust a function when function is activated.

- **+ / Volume+:**

  Activates the volume control when the osd is off or adjust a function when function is activated.

- **Auto Adjust button / Exit:**

  1. When OSD menu is in active status, this button will act as EXIT-KEY (EXIT OSD menu).
  2. When OSD menu is in off status, press this button to activate the Auto Adjustment function. The Auto Adjustment function is used to set the HPos, VPos, Clock and Focus.

- **OSD Lock Function:**

  To lock the OSD, press and hold the MENU button while the monitor is off and then press power button to turn the monitor on. To un-lock the OSD - press and hold the MENU button while the monitor is off and then press power button to turn the monitor on.

NOTES

- Do not install the monitor in a location near heat sources such as radiators or air ducts, or in a place subject to direct sunlight, or excessive dust or mechanical vibration or shock.
- Save the original shipping carton and packing materials, as they will come in handy if you ever have to ship your monitor.
- For maximum protection, repackage your monitor as it was originally packed at the factory.
- To keep the monitor looking new, periodically clean it with a soft cloth. Stubborn stains may be removed with a cloth lightly dampened with a mild detergent solution. Never use strong solvents such as thinner, benzene, or abrasive cleaners, since these will damage the cabinet. As a safety precaution, always unplug the monitor before cleaning it.
- Do not scratch the screen with hard things, it may cause permanent damage.
- Don’t leak liquid into monitor which will result in the damage of component.

3.3 OSD Menu

1. Press the MENU-button to activate the OSD window.
2. Press - or + to navigate through the functions. Once the desired function is highlighted, press the MENU-button to activate it. If the function selected has a sub-menu, press- or + again to navigate through the sub-menu functions. Once the desired function is highlighted, press MENU-button to activate it.
3. Press - or + to change the settings of the selected function.
4. To exit and save, select the exit function. If you want to adjust any other function, repeat steps 2-3.

ADJUSTING THE PICTURE

The descriptions for function control LEDS

Main Menu Item	Main Menu Icon	Sub Menu Item	Sub Menu	Description
Luminance		Brightness		Backlight Adjustment
		Contrast		Contrast from Digital-register
		Eco	Standard	Standard Mode
			Text	Text Mode
			Internet	Internet Mode
			Game	Game Mode
			Movie	Movie Mode
			Sports	Sports Mode
		Gamma	Gamma1	Adjust to Gamma1
			Gamma2	Adjust to Gamma 2
			Gamma3	Adjust to Gamma 3
		DCR	Off	Disable dynamic contrast ratio
			On	Enable dynamic contrast ratio

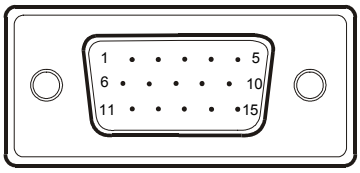
Main Menu Item	Main Menu Icon	Sub Menu Item	Sub	Description
Image Setup		Clock		Adjust picture Clock to reduce Vertical-Line noise
		Focus		Adjust Picture Phase to reduce Horizontal-Line
		H.Position		Adjust the horizontal position of the picture
		V.Position		Adjust the vertical position of the picture
Color Temp.		Warm		Recall Warm Color Temperature from EEPROM
		Normal		Recall Normal Color Temperature from EEPROM
		Cool		Recall Cool Color Temperature from EEPROM
		sRGB		Recall SRGB Color Temperature from EEPROM
		User	User-B	Blue Gain from Digital-register
			User-G	Green Gain Digital-register
			User-R	Red Gain from Digital-register
			User-Y	Yellow Gain from Digital-register
			User-C	Cyan Gain from Digital-register
			User-M	Magenta Gain from Digital-register

Main Menu Item	Main Menu Icon	Sub Menu Item	Sub Menu	Description
Color Boost		Full Enhance	on or off	Disable or Enable Full Enhance Mode
		Nature Skin	on or off	Disable or Enable Nature Skin Mode
		Green Field	on or off	Disable or Enable Green Field Mode
		Sky-blue	on or off	Disable or Enable Sky-blue Mode
		AutoDetect	on or off	Disable or Enable AutoDetect Mode
		Demo	on or off	Disable or Enable Demo
Picture Boost		Frame Size		Adjust Frame Size
		Brightness		Adjust Frame Brightness
		Contrast		Adjust Frame Contrast
		Hue		Adjust Frame Hue
		Saturation		Adjust Frame Saturation
		Position		Adjust Frame Position
		Bright Frame	on or off	Disable or Enable Bright Frame

Main Menu Item	Main Menu Icon	Sub Menu Item	Sub Menu	Description
OSD Setup		H.Position		Adjust the horizontal position of OSD
		V.Position		Adjust the vertical position of OSD
		Timeout		Adjust the OSD Timeout
		Language		Select the OSD language
Extra		Auto Config		Auto adjust the picture to default
		DDC/CI		Turn ON/OFF DDC/CI Support
		Imagic Ratio		Full/4:3
		Reset		Reset the menu to default
		Information		Show the information of the main image and sub-image source.

4. Input/Output Specification

4.1 Input Signal Connector

PIN NO.	Description	PIN NO.	Description
1.	Red	9.	+5V/Sense(+5V)
2.	Green	10.	Monitor Gnd
3.	Blue	11.	Logic Gnd
4.	Logic Gnd	12.	DDC serial data
5.	Detect cable	13.	H sync
6.	Red Gnd	14.	V sync
7.	Green Gnd	15.	DDC serial Clk.
8.	Blue Gnd		
15 - Pin Color Display Signal Cable			
			

4.2 Factory Preset Display Modes

Standard	Resolution	Horizontal Freq. (kHz)	Vertical Freq. (Hz)
VGA	640×480 @60Hz	31.469	59.940
	640×480 @72Hz	37.861	72.809
	640×480 @75Hz	37.500	75.000
Dos-mode	720×400 @70Hz	31.469	70.087
SVGA	800×600 @56Hz	35.156	56.250
	800×600 @60Hz	37.879	60.317
	800×600 @72Hz	48.077	72.188
	800×600 @75Hz	46.875	75.000
XGA	1024×768 @60Hz	48.363	60.004
	1024×768 @70Hz	56.476	70.069
	1024×768 @75Hz	60.023	75.029
WXGA	1366x768@60HZ	47.765	59.85

4.3 Panel Specification

4.3.1 General Features

This specification applies to the 18.5 inch-wide Color a-Si TFT-LCD Module **M185XW01**.The display supports the WXGA - 1366(H) x 768(V) screen format and 16.7M colors (RGB 6-bits + Hi-FRC data). All input signals are 1-channel LVDS interface and this module doesn't contain an inverter board for backlight.

4.3.2 Display Characteristics

The following items are characteristics summary on the table under 25℃ condition:

ITEMS	Unit	SPECIFICATIONS
Screen Diagonal	[mm]	470.1(18.51")
Active Area	[mm]	409.8 (H) x 230.4 (V)
Pixels H x V		1366(x3) x 768
Pixel Pitch	[um]	300 (per one triad) × 300
Pixel Arrangement		R.G.B. Vertical Stripe
Display Mode		TN Mode, Normally White
White Luminance (Center)	[cd/m^2]	250 cd/m^2 (Typ.)
Contrast Ratio		1000 (Typ.)
Optical Response Time	[msec]	5ms (Typ., on/off)
Nominal Input Voltage VDD	[Volt]	+5.0 V (Typ)
Power Consumption (VDD line + LED line)	[Watt]	10.5 (Typ.) (without inverter, all black pattern)
Weight	[Grams]	1290(Typ)
Physical Size	[mm]	430.4 (W) x 254.6 (H) Typ. x 9.9 (D) Typ
Interface		One channel LVDS
Support Color		16.7M colors (RGB 6-bit + Hi_FRC)
Surface Treatment		Anti-Glare, 3H
Temperature Range Operating Storage (Shipping)	 [°C] [°C]	 0 to +50 -20 to +60
TCO5.1 Compliance		TCO5.1 Compliance
RoHS Compliance		RoHS Compliance

4.3.3 Electrical Characteristics

TFT LCD Module

1) Power Specification

Symbol	Parameter	Min	Typ	Max	Unit	Conditions
VDD	Logic/LCD Drive Voltage	4.5	5.0	5.5	[Volt]	+/-10%
IDD	Input Current	-	**0.45**	0.5	[A]	VDD= 5.0V, All Black Pattern At 60Hz,
PDD	VDD Power	-	**2.25**	**2.5**	[Watt]	VDD= 5.0V, All Black Pattern At 60Hz
IRush	Inrush Current	-	-	**3**	[A]	
VDDrp	Allowable Logic/LCD Drive Ripple Voltage	-	-	350	[mV] p-p	VDD= 5.0V, All Black Pattern At 60Hz

2) Signal Electrical Characteristics

DC Characteristics of each signal are as following:

Symbol	Parameter	Min	Typ	Max	Units	Condition
VTH	Differential Input High Threshold	-	-	+100	[mV]	VICM = 1.2V
VTL	Differential Input Low Threshold	-100	-	-	[mV]	VICM = 1.2V
| VID |	Input Differential Voltage	100	-	600	[mV]	
VICM	Differential Input Common Mode Voltage	+1.0	+1.2	+1.5	[V]	VTH-VTL = 200MV (max)

AC Characteristics

Description	Symbol	Min	Max	Unit	Note
Maximum deviation of input clock frequency during SSC	F_{DEV}	**-**	**± 3**	**%**	
Maximum modulation frequency of input clock during SSC	F_{MOD}	**-**	**200**	**KHz**	

Backlight Unit

Parameter guideline for LED driving is under stable conditions at 25℃ (Room Temperature):

Symbol	Parameter	Min.	Typ.	Max.	Unit	Note
IR_{LED}	LED Operation Current	**57**	**60**	**63**	[mA]	**Operating with fixed driving current**
V_{LB}	Light Bar Operation Voltage (for reference)	**30**	**34**	**36**	[Volt]	
P_{BLU}	BLU Power consumption (for reference)	**6.8**	**8.2**	**9.1**	[Watt]	
LT_{LED}	LED life Time	**30000**	-	-	[Hour]	

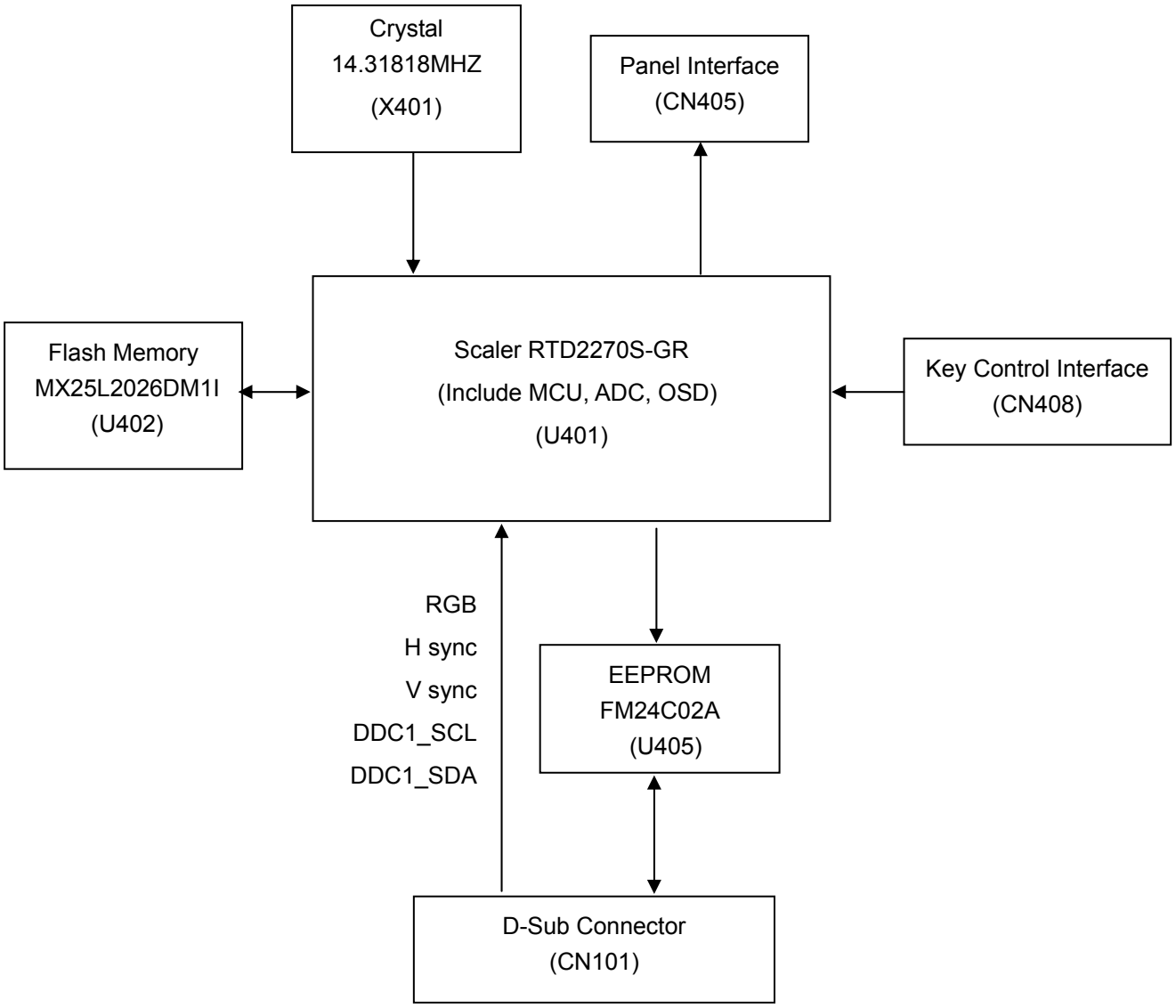
4.3.4 Optical Characteristics

The optical characteristics are measured under stable conditions at 25℃:

Item	Unit	Conditions	Min.	Typ.	Max.
Viewing Angle	[degree]	Horizontal (Right) CR = 10 (Left)	75 75	85 85	- -
		Vertical (Up) CR = 10 (Down)	70 70	80 80	- -
Contrast ratio		Normal Direction	600	1000	-
Response Time	[msec]	Raising Time (T_{rR})	-	3.6	5.7
		Falling Time (T_{rF})	-	1.4	2.3
		Raising + Falling	-	5	8
Color / Chromaticity Coordinates (CIE)		Red x	0.604	0.634	0.664
		Red y	0.321	0.351	0.381
		Green x	0.304	0.334	0.364
		Green y	0.582	0.612	0.642
		Blue x	0.116	0.146	0.176
		Blue y	0.029	0.059	0.089
Color Coordinates (CIE) White		White x	0.283	0.313	0.343
		White y	0.299	0.329	0.359
Central Luminance	[cd/m^2]		200	250	-
Luminance Uniformity	[%]		75	80	-
Crosstalk (in 60Hz)	[%]				1.5
Flicker	dB				-20

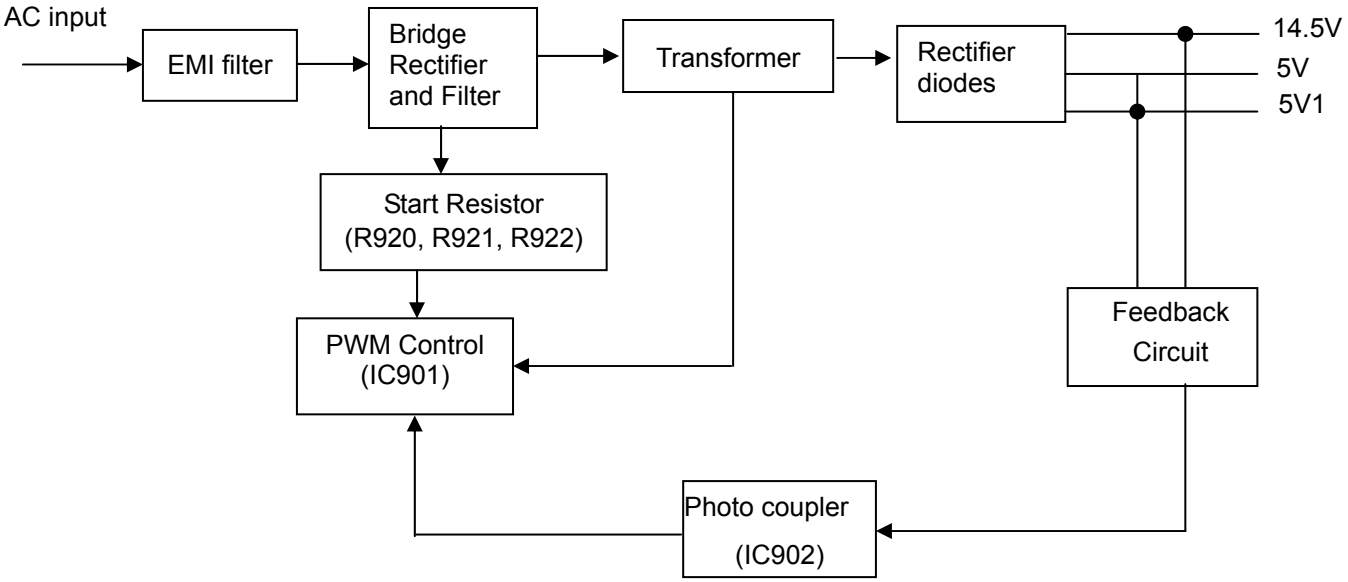
5. Block Diagram

5.1 Main Board

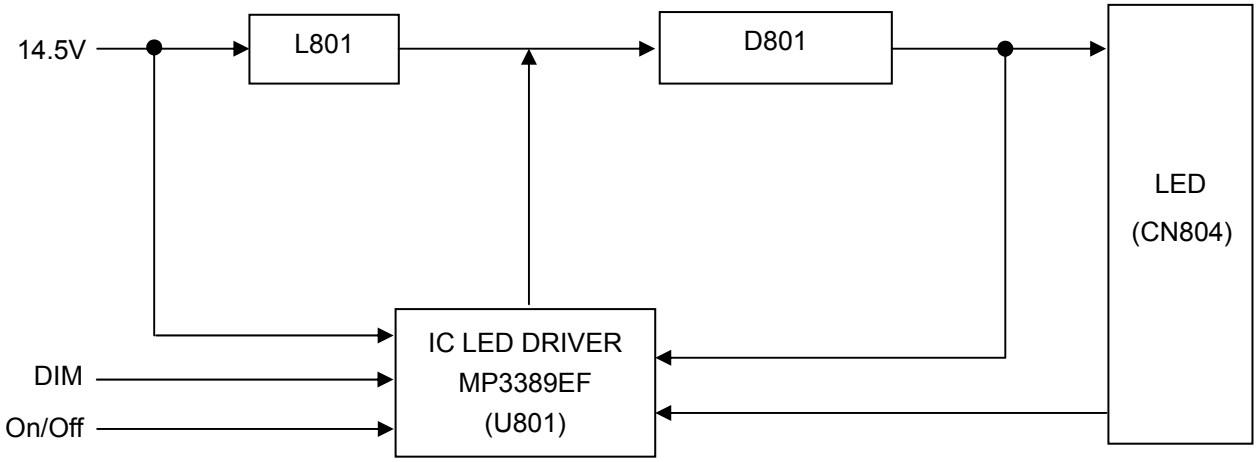


5.2 Power Board

Adapter Board:



Converter Board:



6. Schematic

6.1 Main Board

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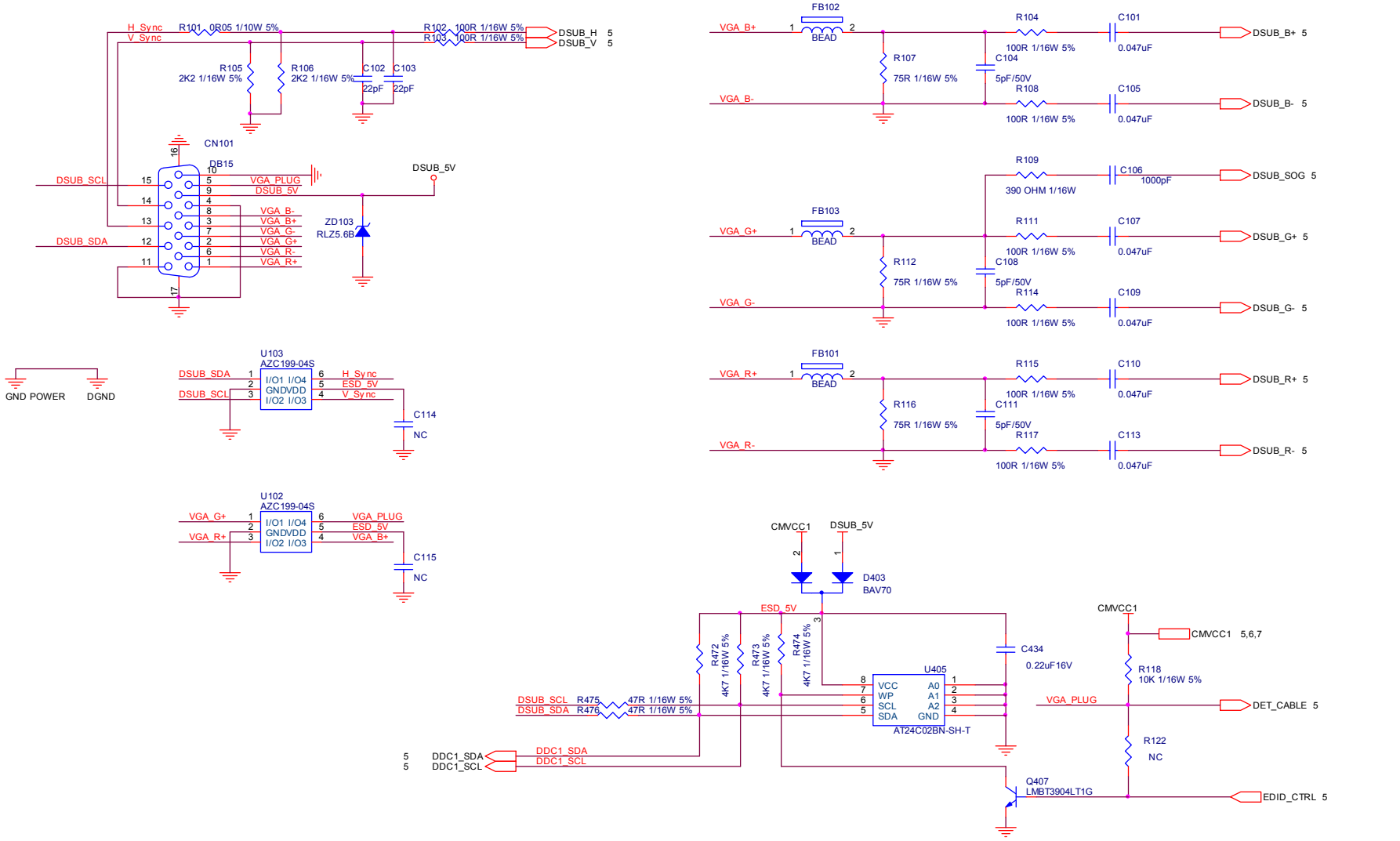
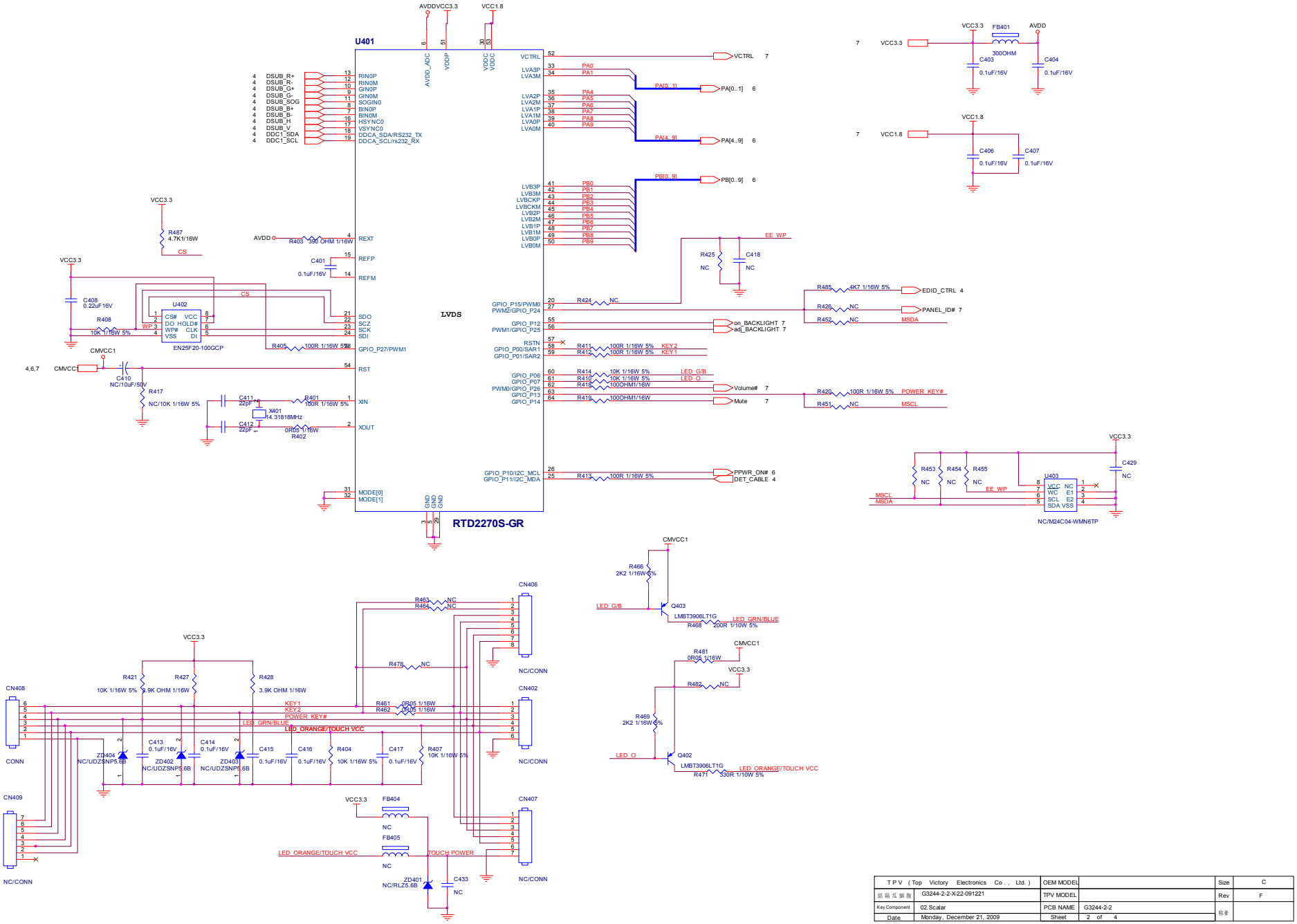


TPV (Top Victory Electronics Co., Ltd.)		OEM MODEL		Size	B
延陽瓜銅腹	G3244-2-2-X-22-091221	TPV MODEL		Rev	F
Key Component	01.Input	PCB NAME	G3244-2-2	称爹	
Date	Monday, December 21, 2009	Sheet	1 of 4		



T P V (Top Victory Electronics Co . , Ltd.)		OEM MODEL		Size	C
結 開 爪 損 脫	G3244-2-2-X-22-091221	TPV MODEL		Rev	F
Key Component	02.Scalar	PCB NAME	G3244-2-2		
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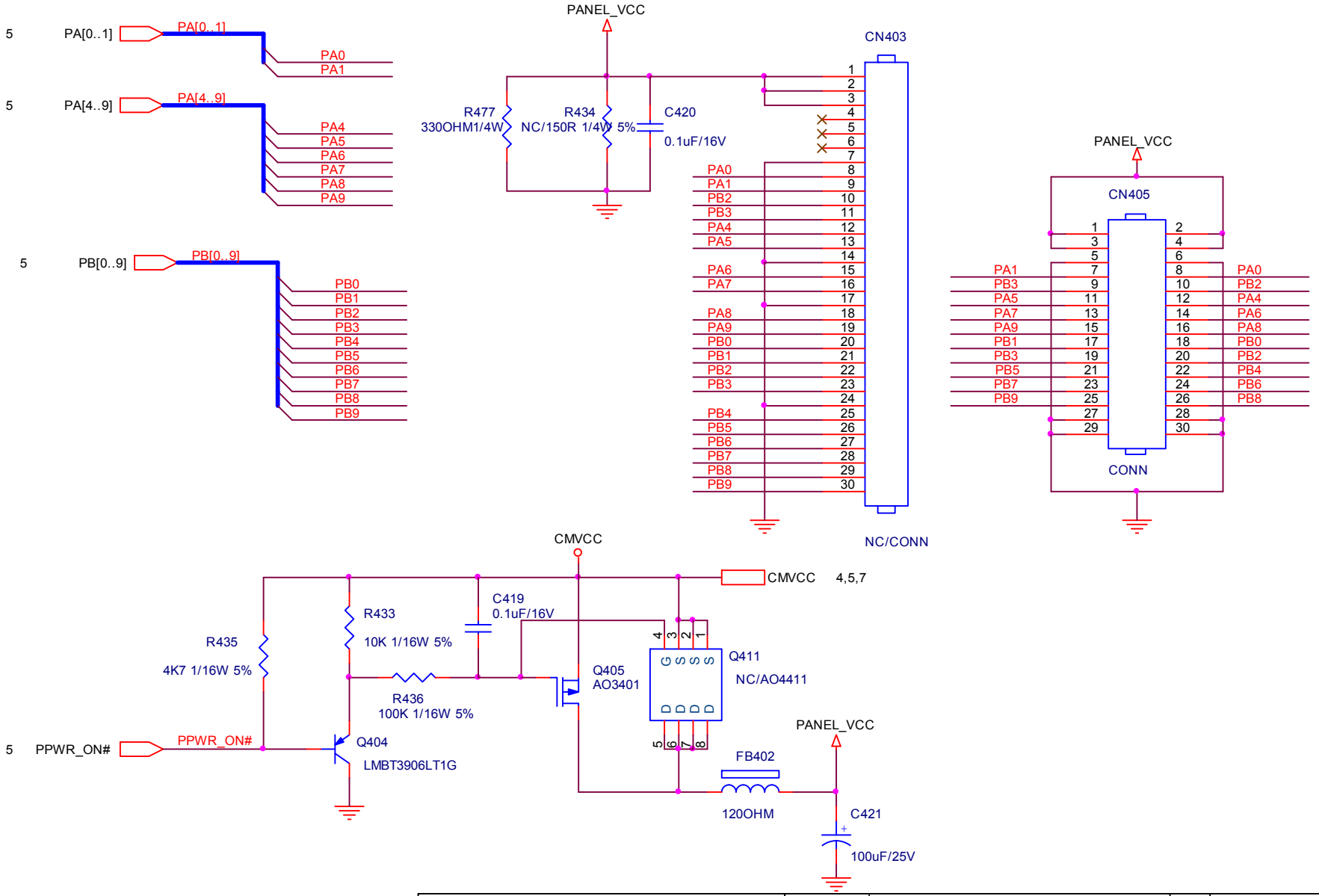

T P V （Top Victory Electronics Co., Ltd.）		OEM MODEL		Size	A
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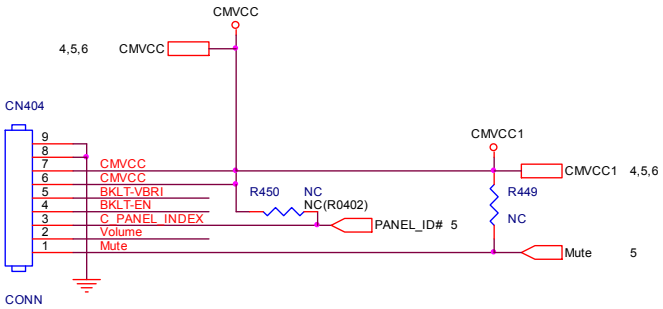
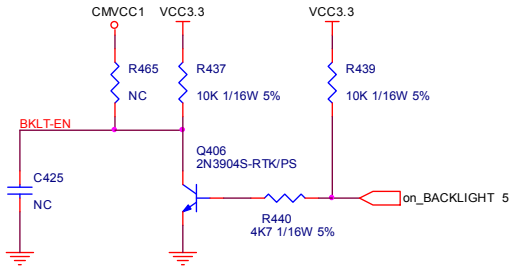
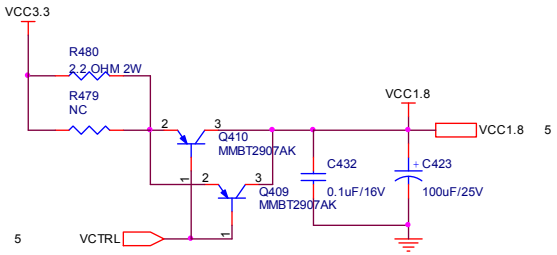
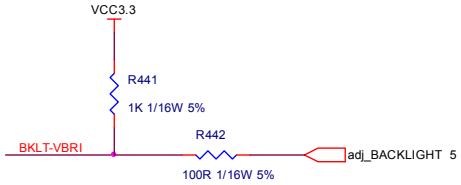
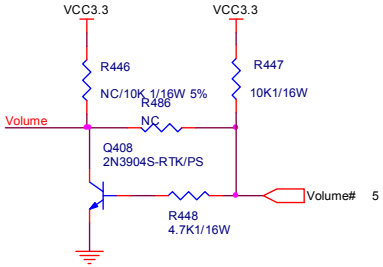
Key Component	03.Output	PCB NAME	G3244-2-2	称爹	
Date	Monday, December 21, 2009	Sheet	3 of 4		

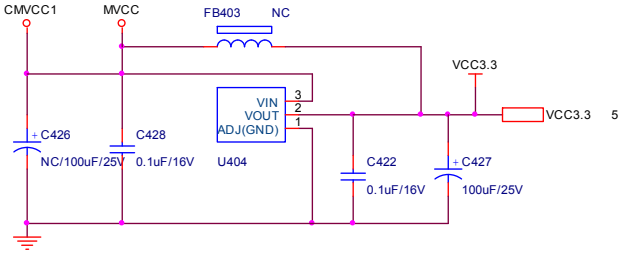






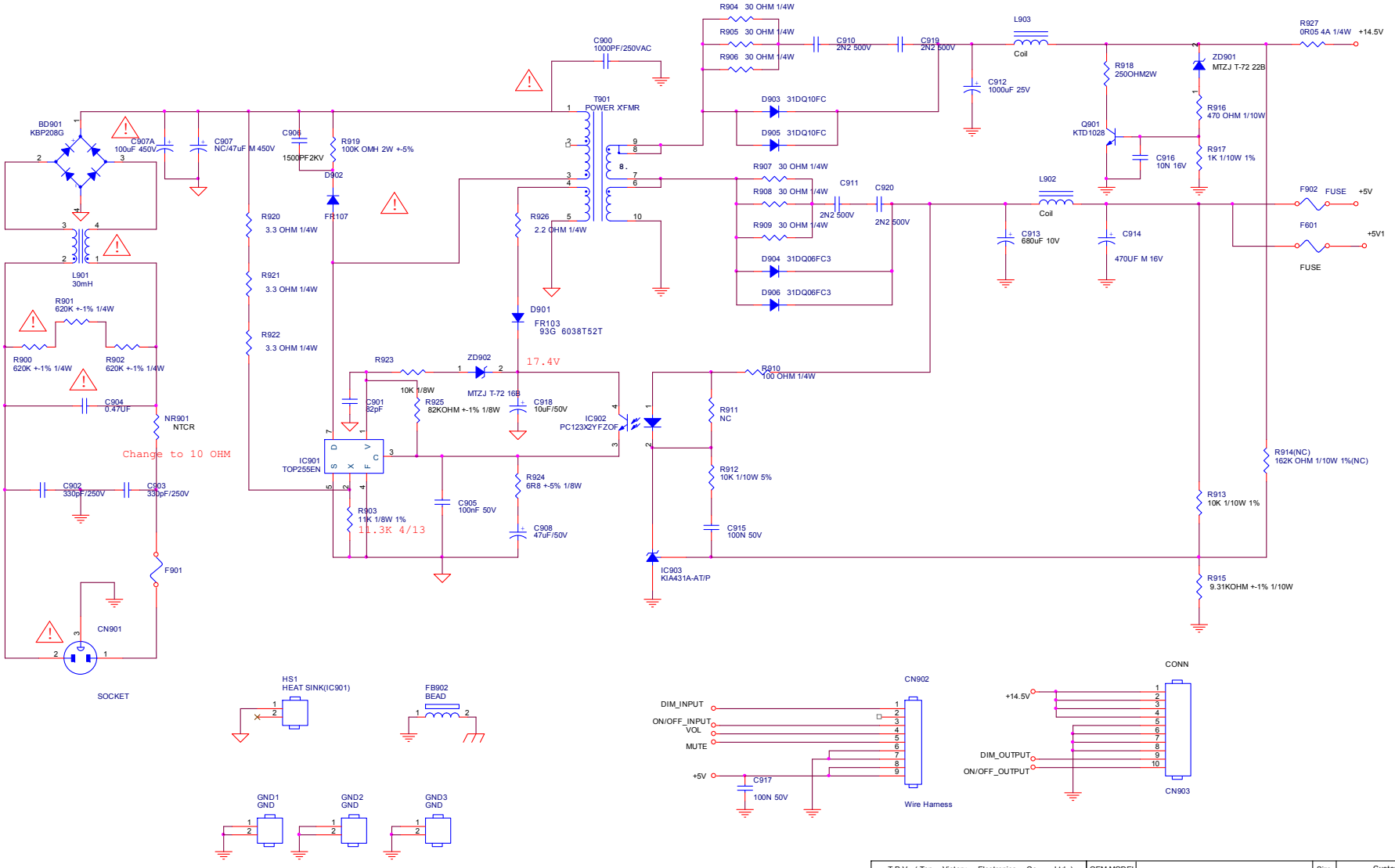




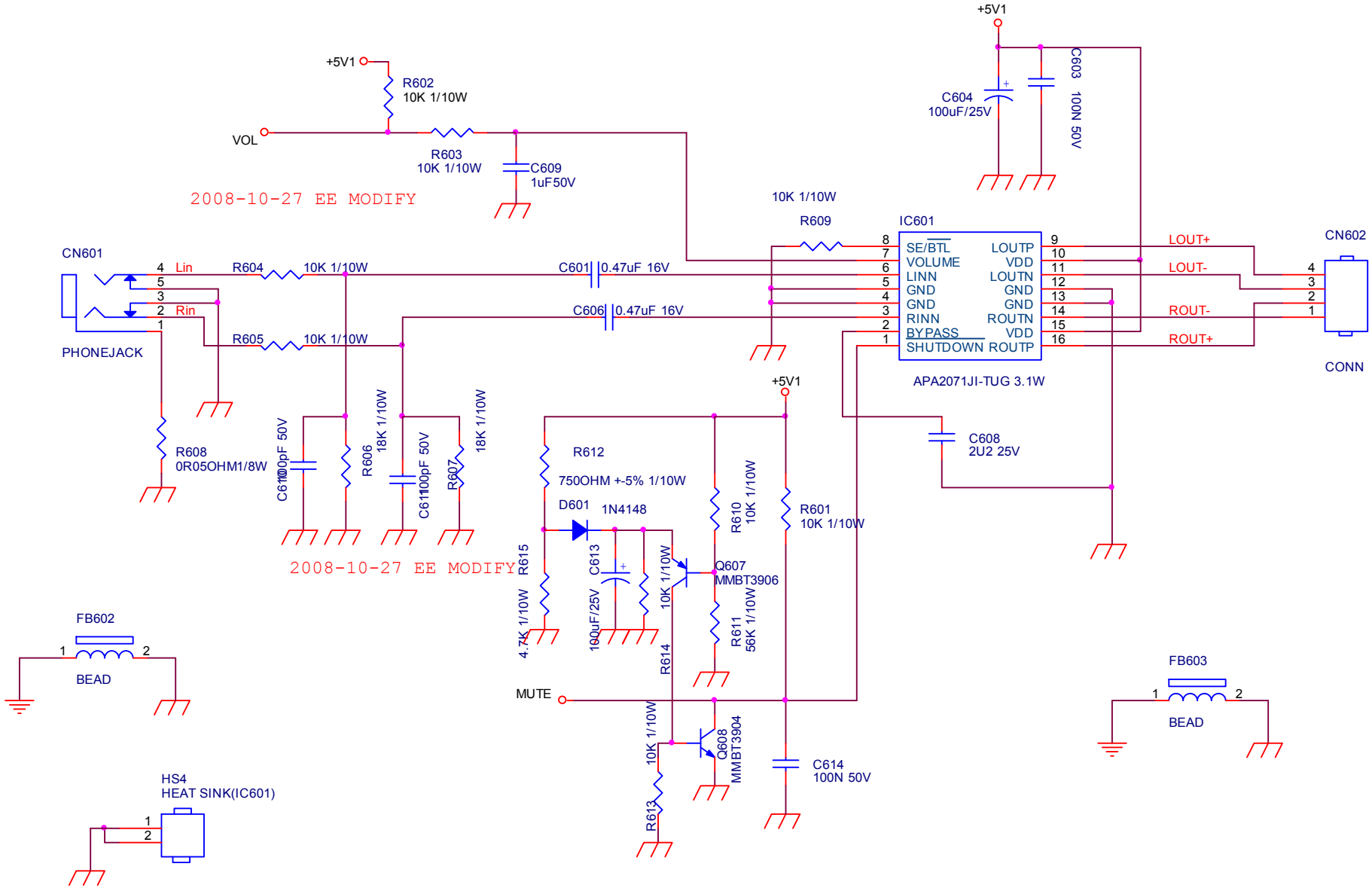


T P V （Top Victory Electronics Co . , Ltd. ）		OEM MODEL		Size	B
結 隔 瓜 銅 腹	G3244-2-2-X-22-091221	TPV MODEL		Rev	F
Key Component	04.Power	PCB NAME	G3244-2-2	称爹	
Date	Monday , December 21, 2009	Sheet	4 of 4		

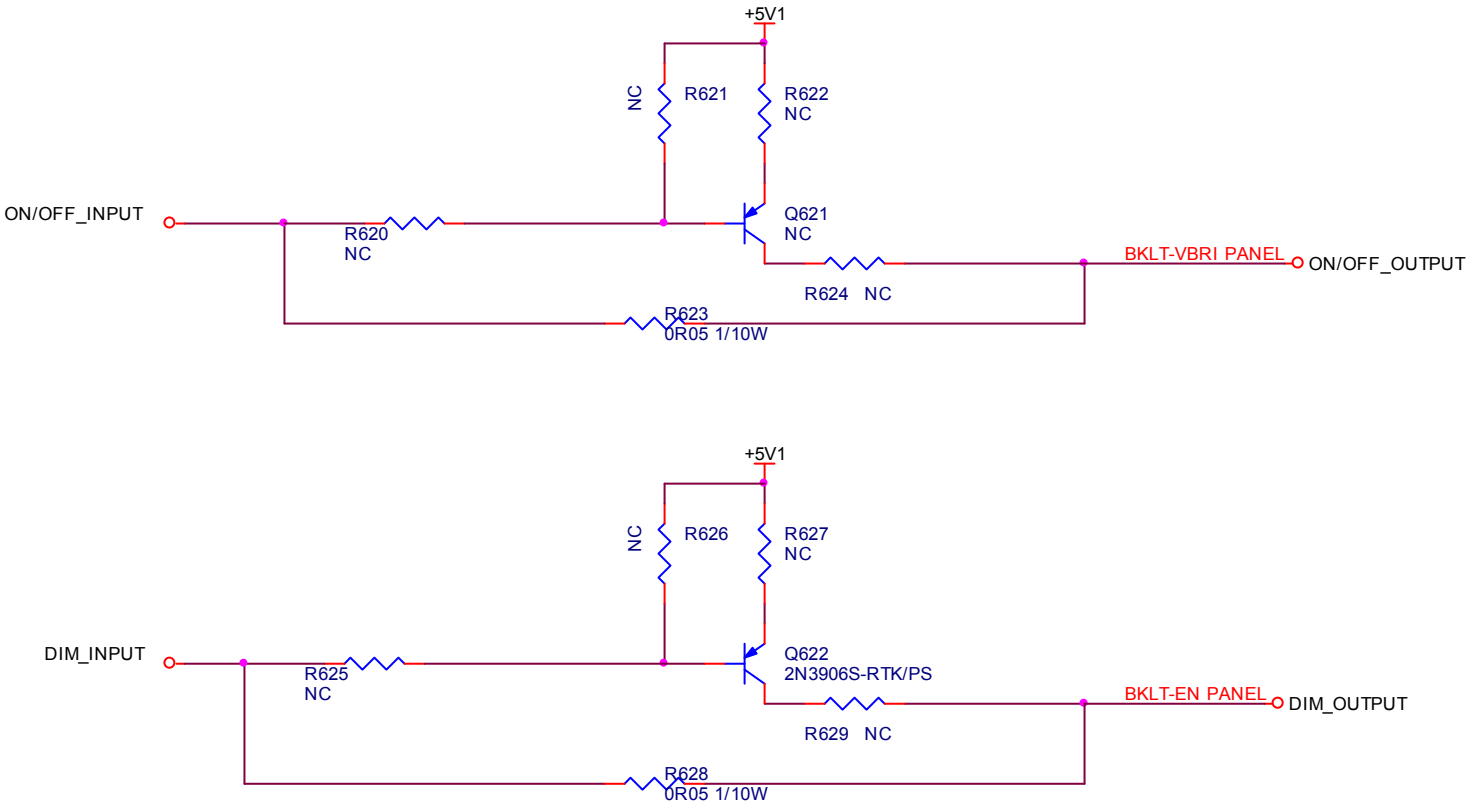
6.2 Power Board
Adapter Board
715G3189P02LED001S



T.P.V (Top Victory Electronics Co., Ltd.)		OEM MODEL		Size	Custom
延陽瓜蝸殿	G3189-PO1-LED-X-8-091112	TPV MODEL		Rev	1
Key Component	01.POWER	PCB NAME	715G3189-PO1-LED	称多	ODM MODEL
Date	Friday, May 21, 2010	Sheet	of		



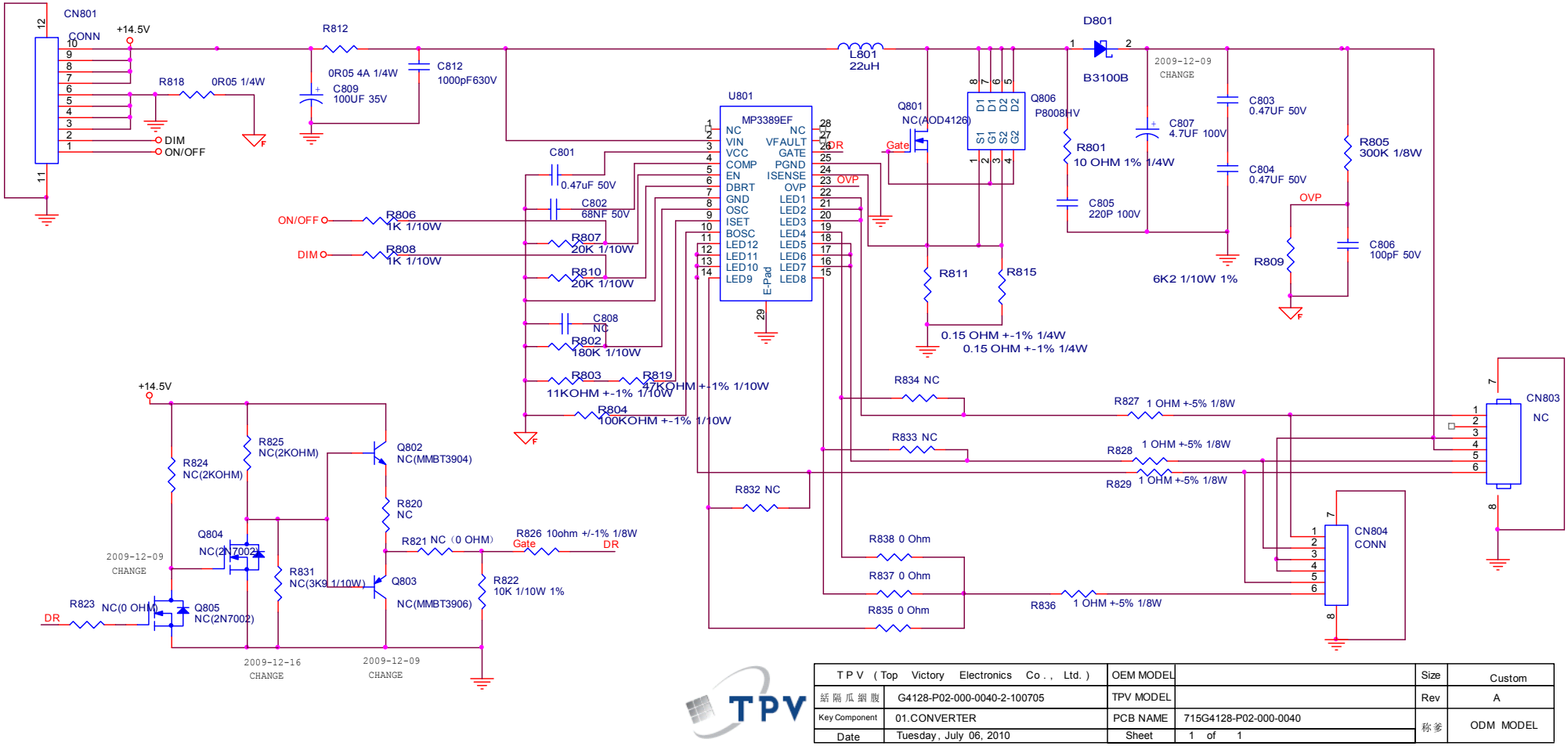
T P V （Top Victory Electronics Co . , Ltd. ）		OEM MODEL		Size	Custom
結 隔 瓜 網 腹	G3189-PO1-LED-X-8-091112	TPV MODEL	1	Rev	1
Key Component	02.AUDIO	PCB NAME	715G3189-PO1-LED	称爹	ODM MODEL
Date	Friday , April 30, 2010	Sheet	of		



T P V （Top Victory Electronics Co . , Ltd. ）		OEM MODEL		Size	A
結 隔 瓜 網 腹	G3189-PO1-LED-X-8-091112	TPV MODEL	1	Rev	1
Key Component	03.BUFEER	PCB NAME	715G3189-PO1-LED	称爹	ODM MODEL
Date	Thursday , April 29, 2010	Sheet	of		

Converter Board

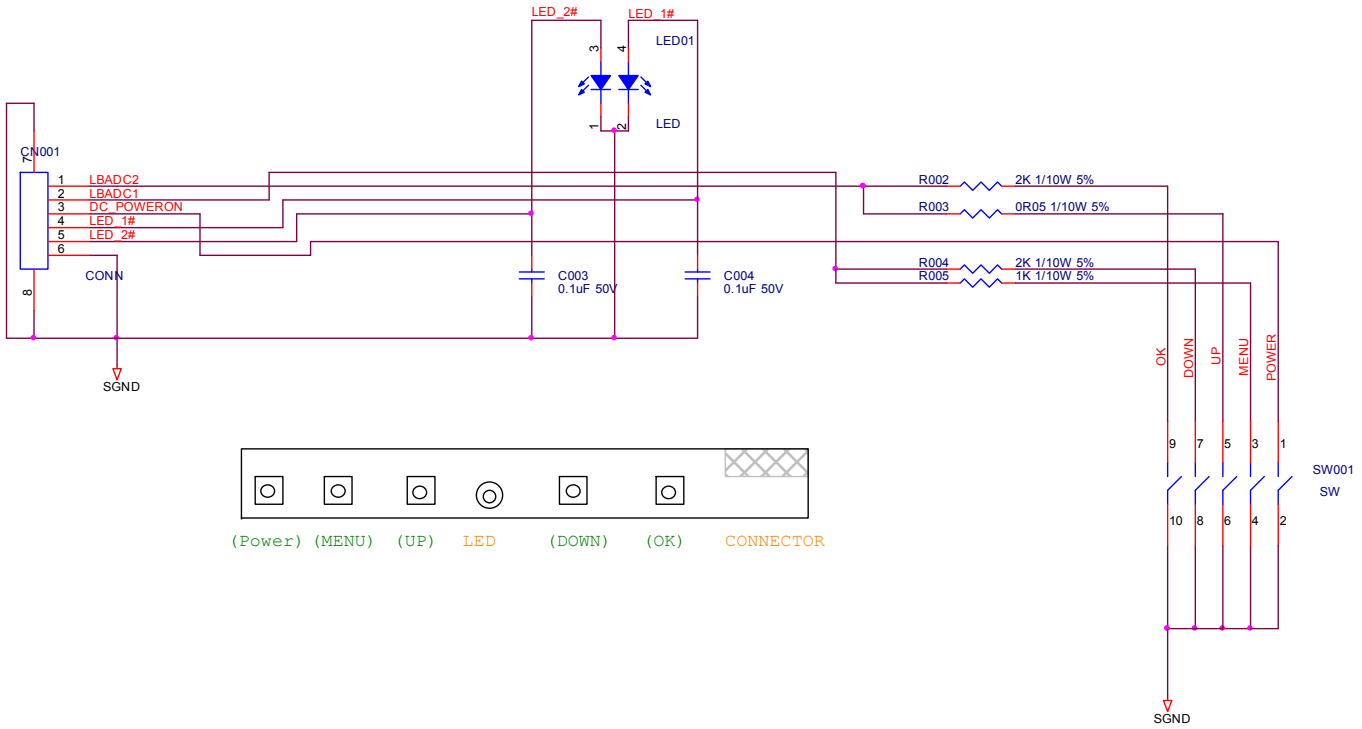
715G4128P03000004F



T P V （Top Victory Electronics Co., Ltd.）		OEM MODEL		Size	Custom
結隔瓜絹腹	G4128-P02-000-0040-2-100705	TPV MODEL		Rev	A
Key Component	01.CONVERTER	PCB NAME	715G4128-P02-000-0040	称爹	ODM MODEL
Date	Tuesday, July 06, 2010	Sheet	1 of 1		

6.3 Key Board

715G3584K01000004K

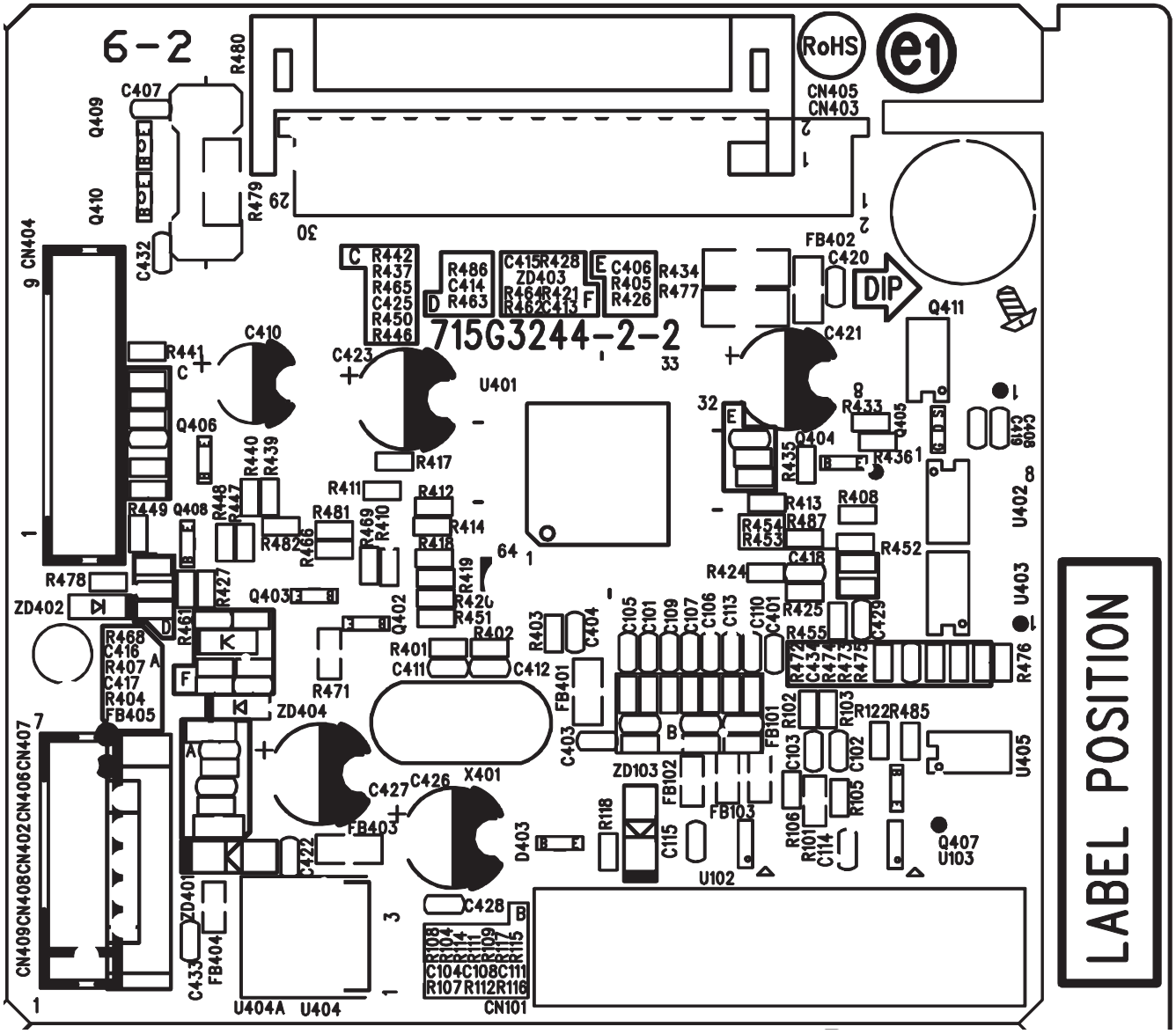


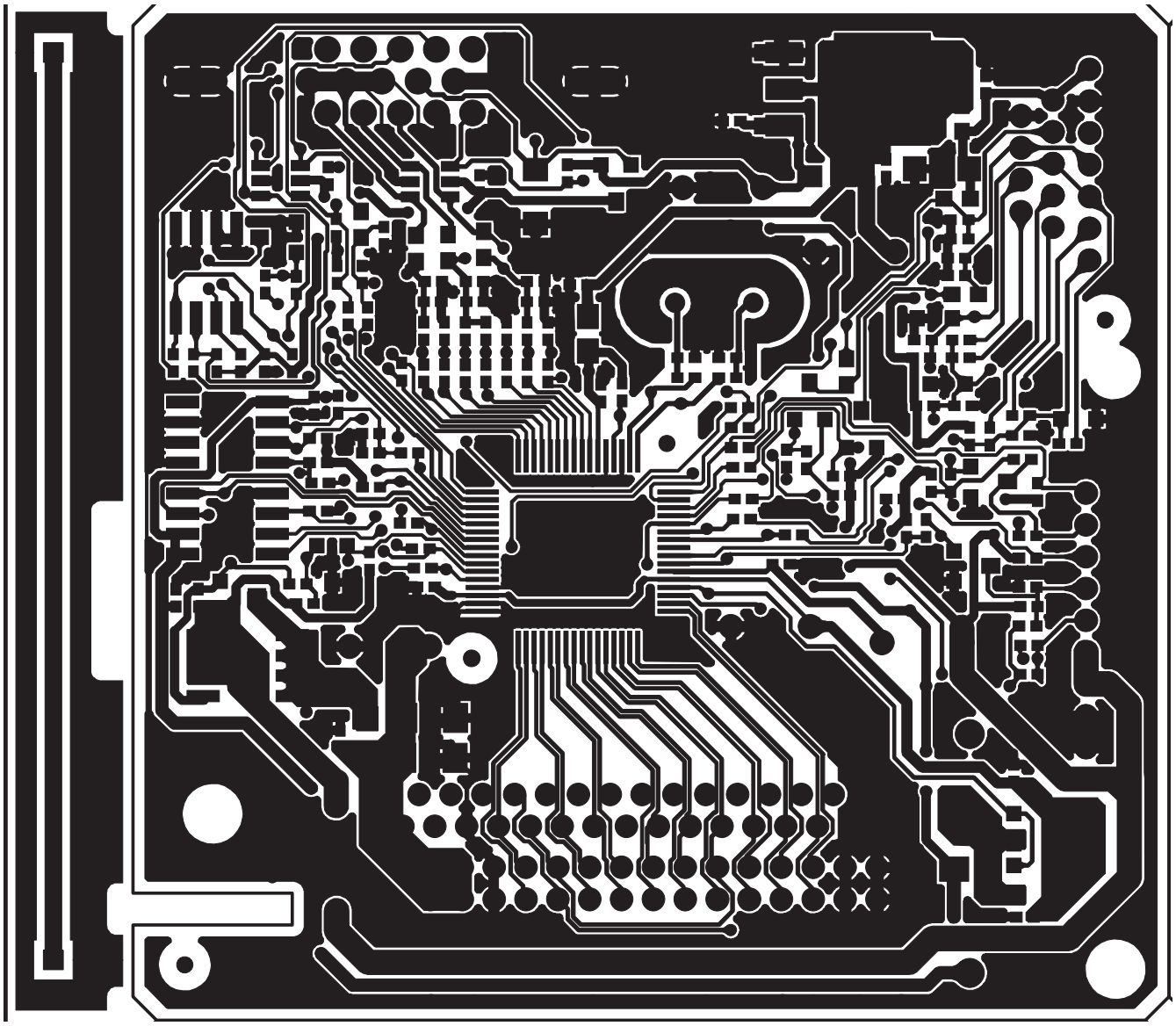
T P V （Top Victory Electronics Co . , Ltd. ）		OEM MODEL		Size	B
竺 隔 瓜 貓 腹	715G3584-K0B-X-X-1-090414	TPV MODEL		Rev	B
Key Component	1.0.key	PCB NAME	715G3584-K0B	称爹	
Date	Friday , April 17, 2009	Sheet	1 of 1		

7. PCB Layout

7.1 Main Board

715G3244 2 2

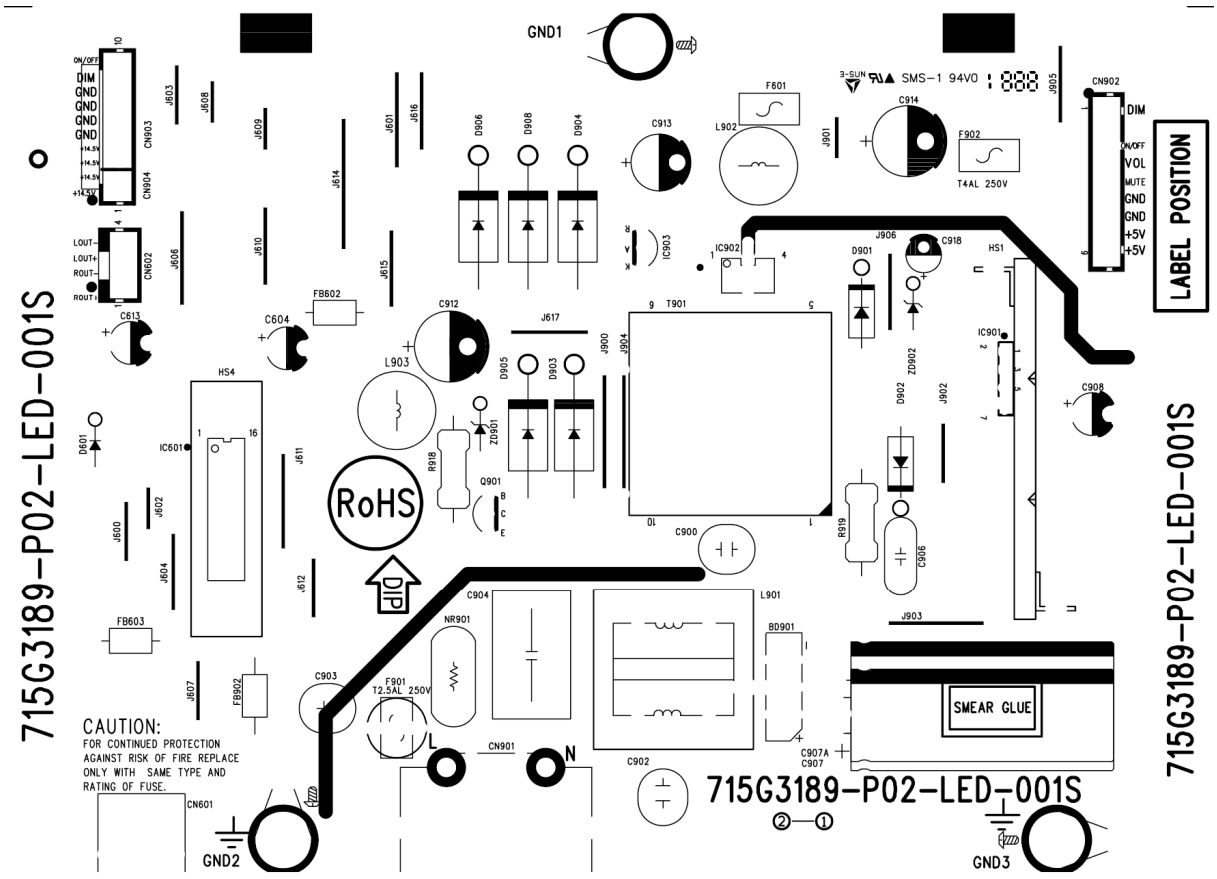


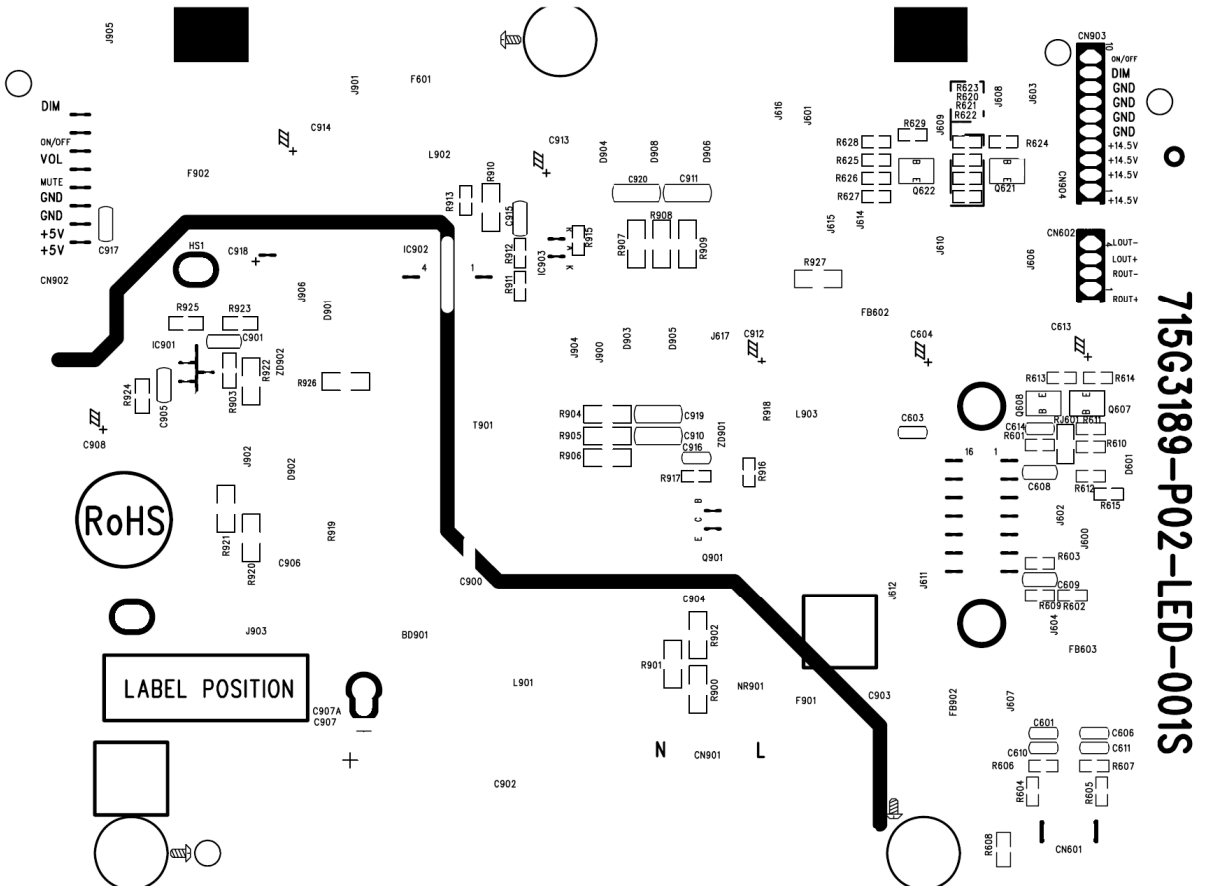


7.2 Power Board

Adapter Board

715G3189P02LED001S

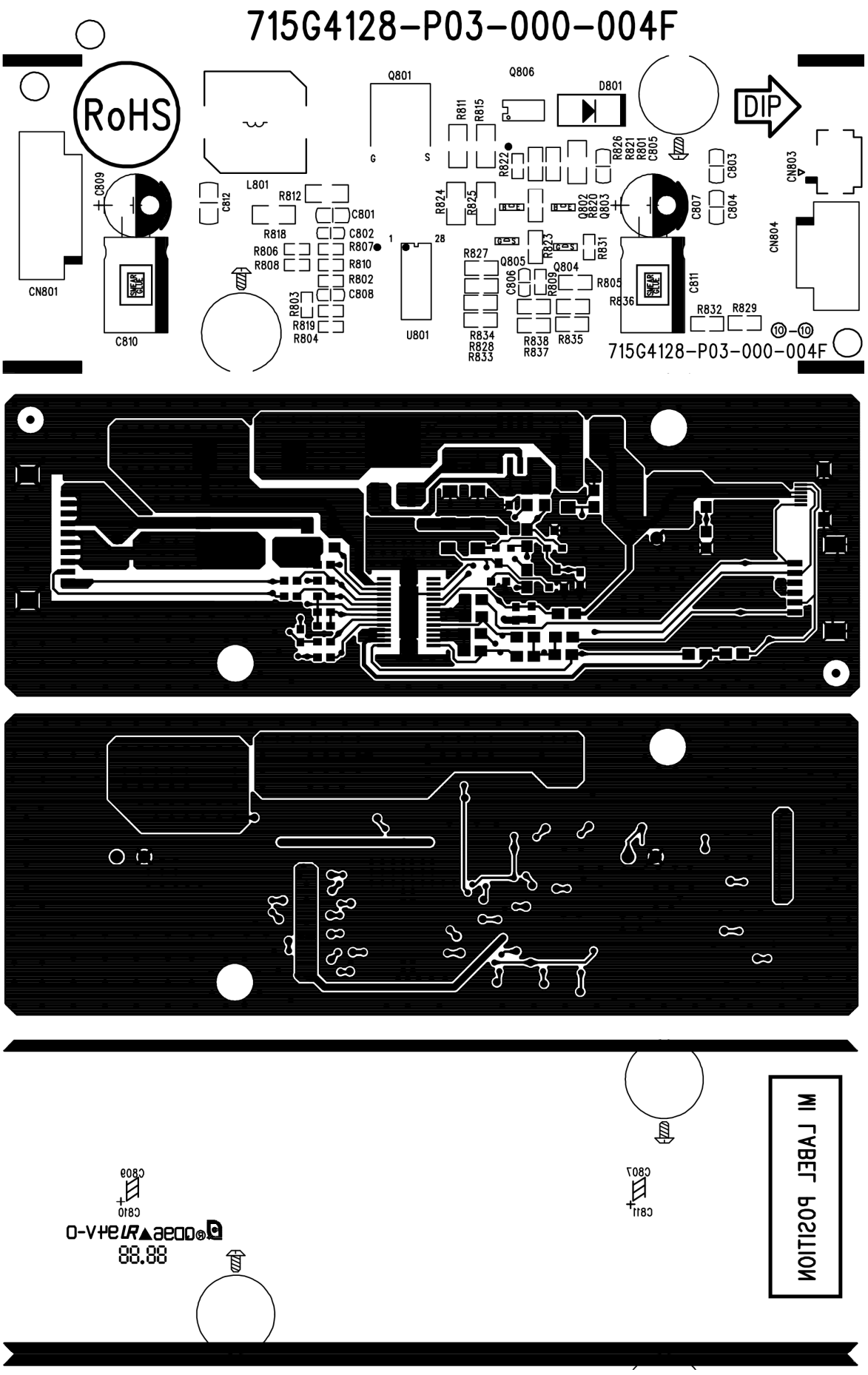




715G3189-P02-LED-001S

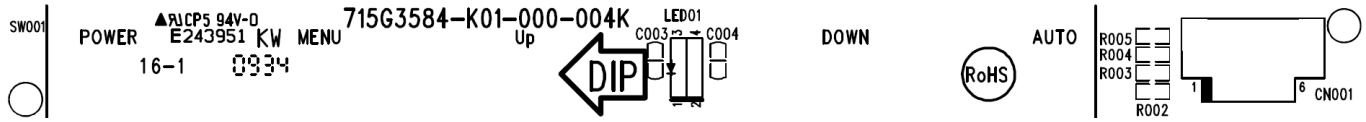
Converter Board

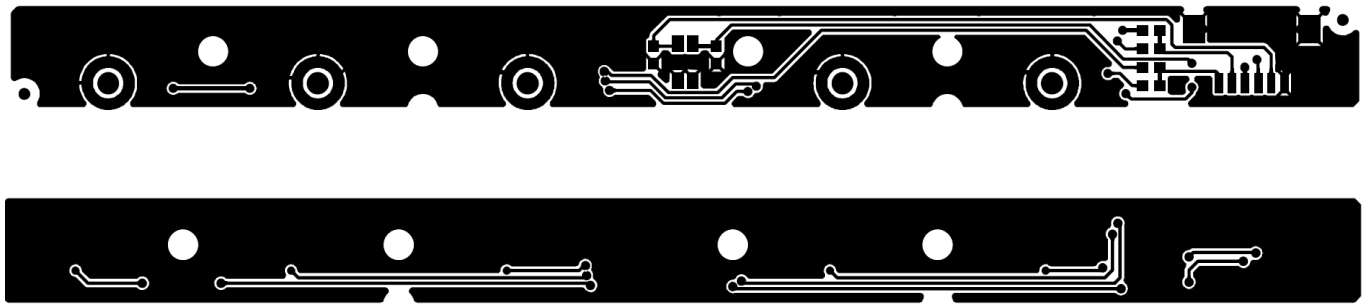
715G4128P03000004F



7.3 Key Board

715G3584K01000004K





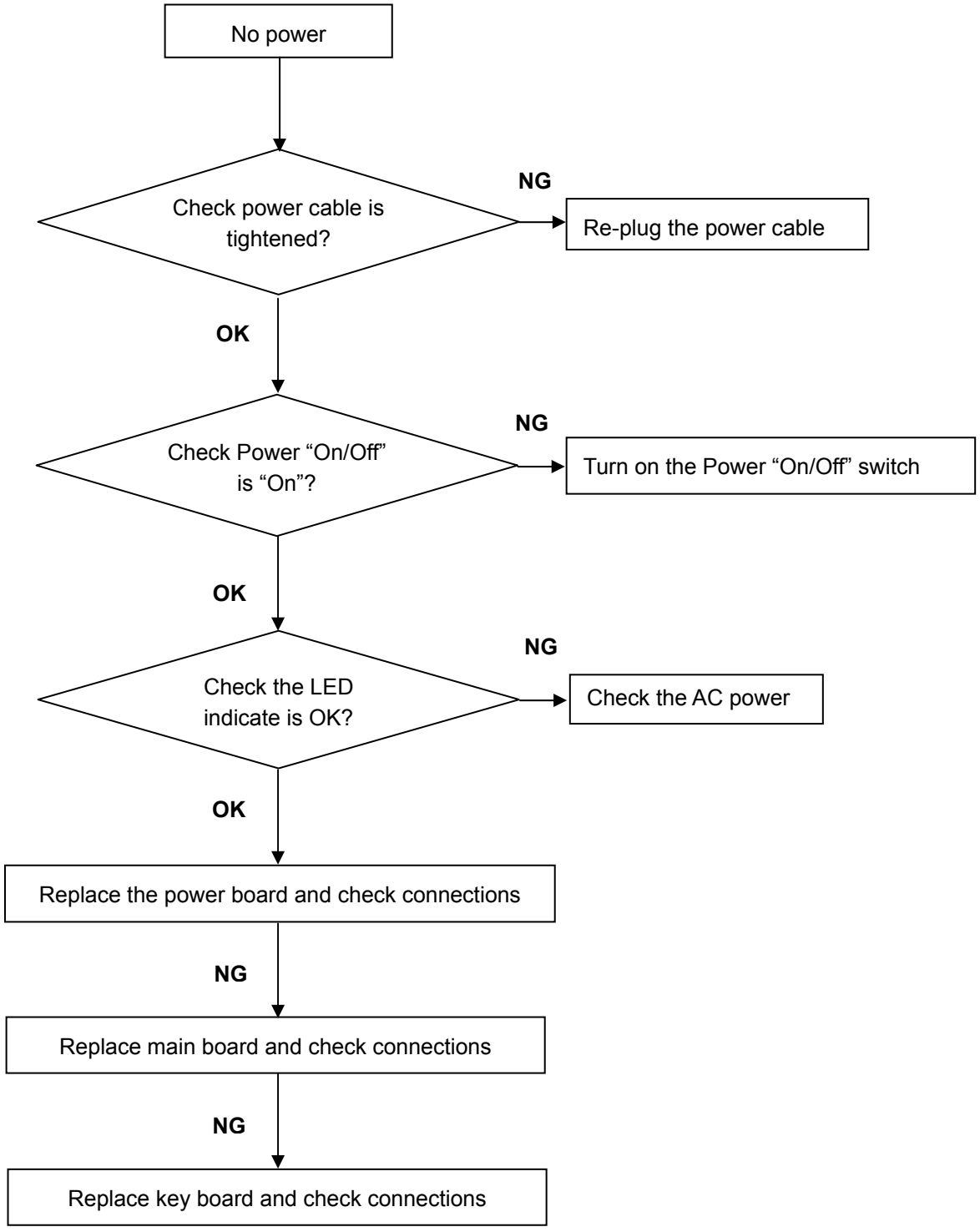
8. Maintainability

8.1 Equipments and Tools Requirement

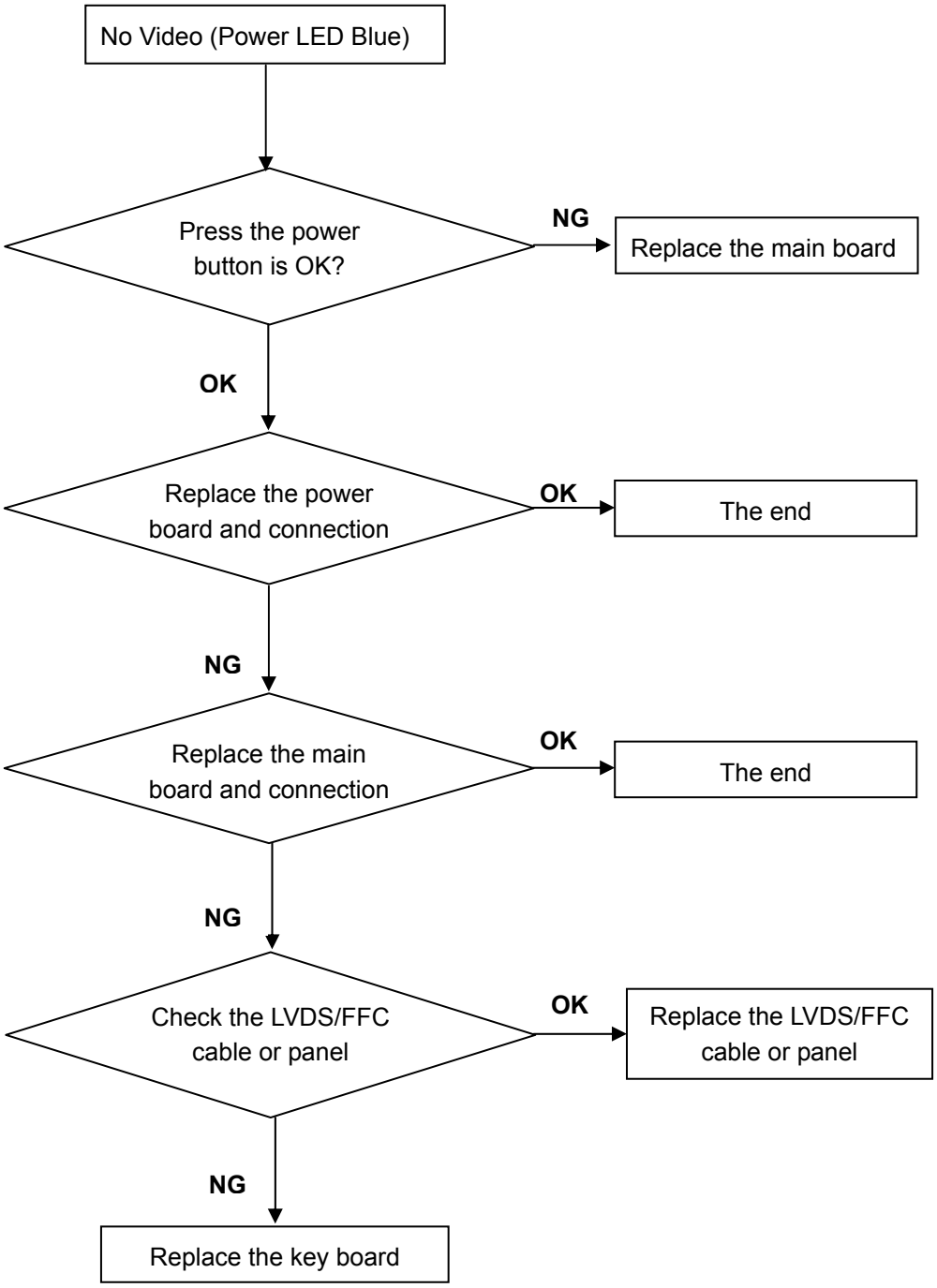
1. Voltmeter.
2. Oscilloscope.
3. Pattern Generator.
4. DDC Tool with an IBM Compatible Computer.
5. Alignment Tool.
6. LCD Color Analyzer.
7. Service Manual.
8. User Manual.

8.2 Trouble Shooting

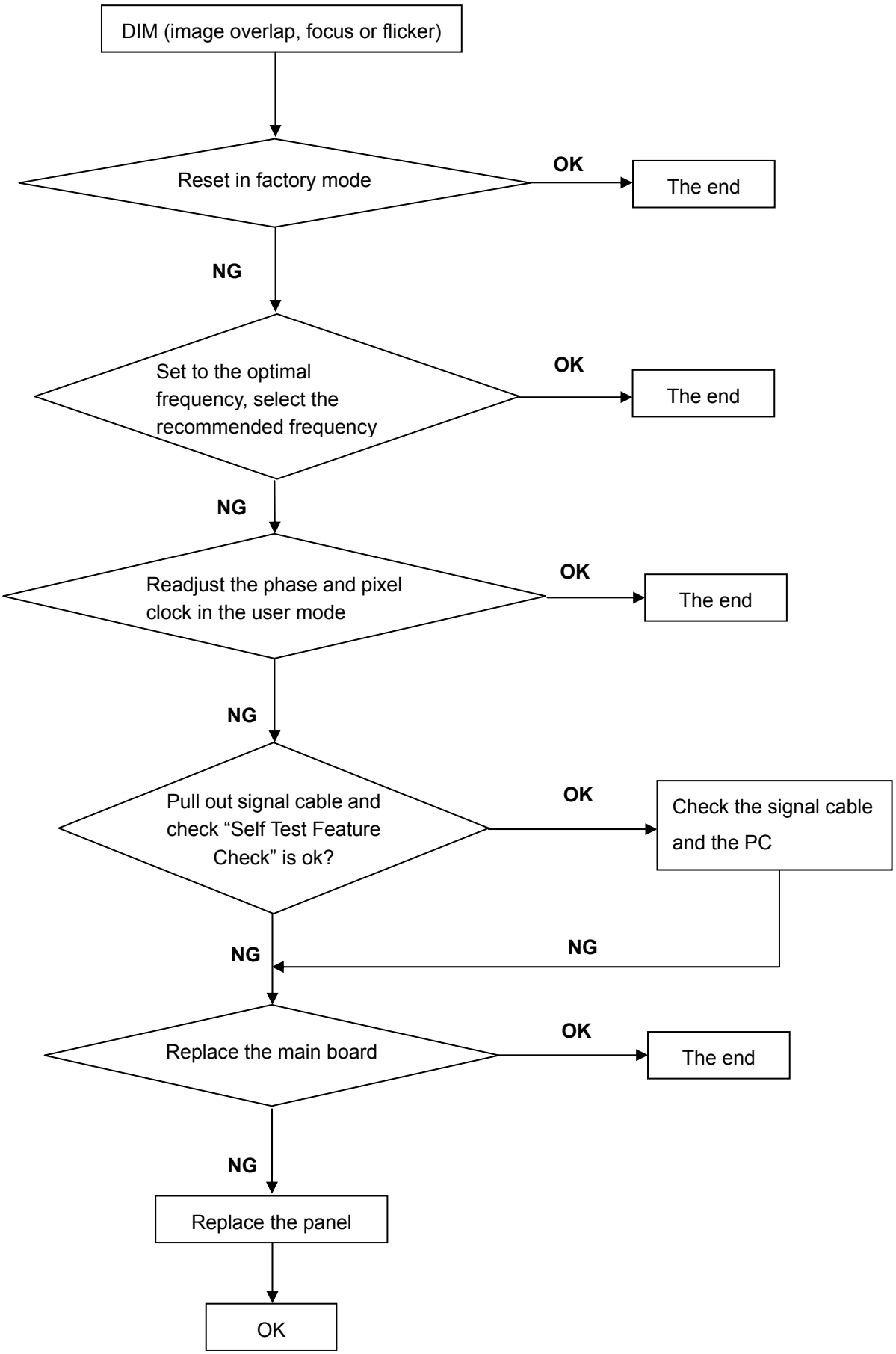
1. No Power



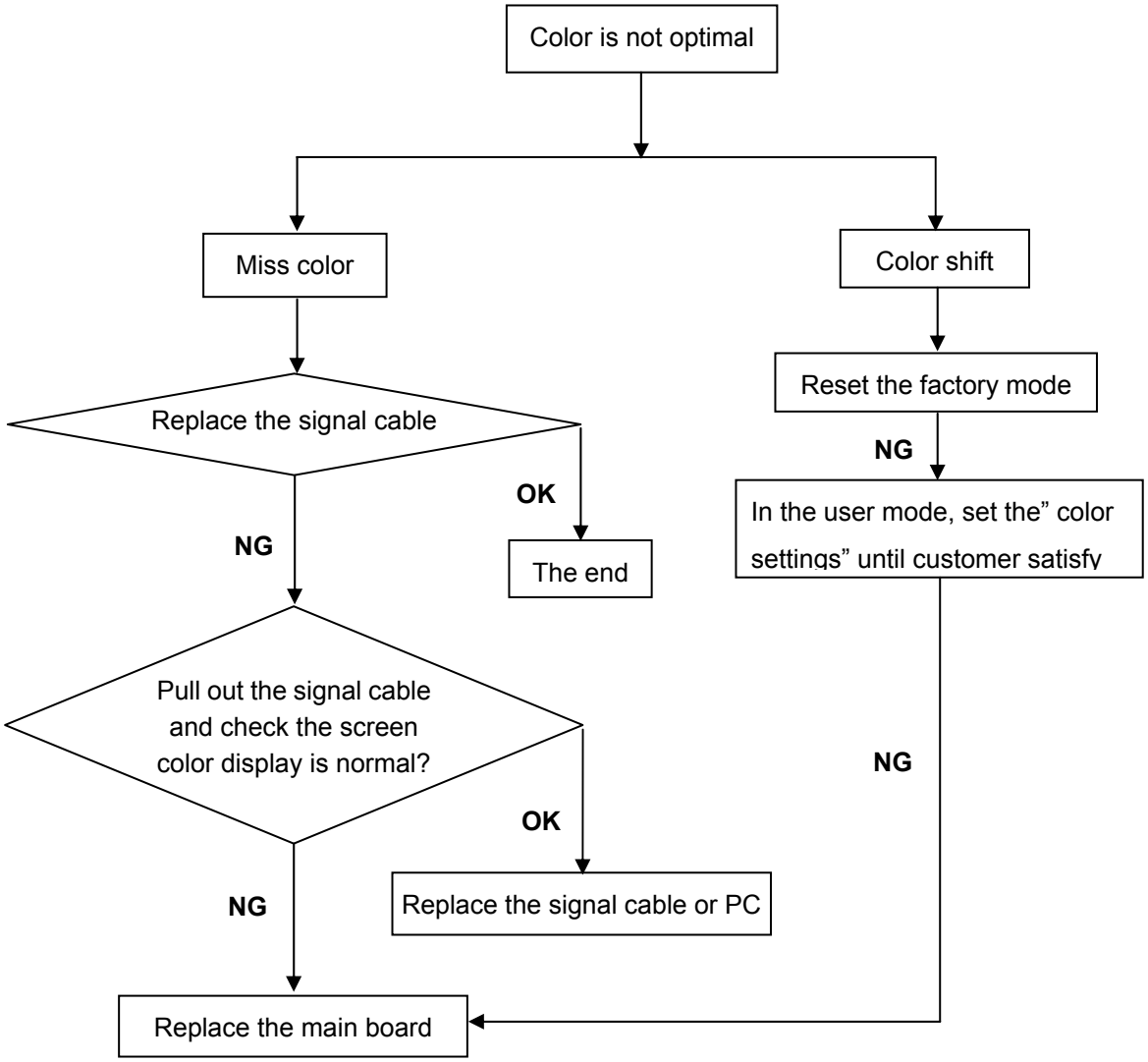
2. No Video (Power LED Blue)



3. DIM


DIM (image overlap, focus or flicker)
Reset in factory mode
OK
The end
NG
Set to the optimal frequency, select the recommended frequency
OK
The end
NG
Readjust the phase and pixel clock in the user mode
OK
The end
NG
Pull out signal cable and check “Self Test Feature Check” is ok?
OK
Check the signal cable and the PC
NG
NG
Replace the main board
OK
The end
NG
Replace the panel
OK

4. Color is not optimal



9. White- Balance, Luminance Adjustment

Approximately 30 minutes should be allowed for warm up before proceeding white balance adjustment.

How to setting MEM channel you can reference to chroma 7120 user guide or simpl use “SC” key and “NEXT” Key to modify xyY value and use “ID” key to modify the TEXT description Following is the procedure to do white-balance adjust .

2. Setting the color temp. you want

A. MEM.CHANNEL 3 Warm (6500K):

Warm color temp. parameter is x = 313 ±20, y = 329 ±20, Y>180

B. MEM.CHANNEL 4 Normal (7300K):

Normal color temp. parameter is x = 301 ±20, y = 317 ±20, Y>170

C. MEM.CHANNEL 9 Cool (9300K):

Cool color temp. parameter is x = 283 ±20, y = 297 ±20, Y>150

D. MEM.CHANNEL 10 (sRGB color):

sRGB color temp. parameter is x = 313 ±20, y = 329 ±20, Y>180

3. Enter into the factory mode

Press the “MENU” button, pull out the power cord, and then plug the power cord. You will enter into the factory mode.

4. Gain adjustment:

Move cursor to “-F-” and press MENU key

A. Adjust Warm (6500K) color-temperature

1. Switch the chroma-7120 to **RGB-Mode** (with press “MODE” button)
2. Switch the MEM.channel to Channel 3 (with up or down arrow on chroma 7120)
3. The LCD-indicator on chroma 7120 will show x = 313 ±20, y = 329 ±20, Y>180
4. Adjust the RED on factory window until chroma 7120 indicator reached the value R=100
5. Adjust the GREEN on factory window until chroma 7120 indicator reachedthe value G=100
6. Adjust the BLUE on factory window until chroma 7120 indicator reached the value B=100
7. Repeat above procedure (item 4, 5, 6) until chroma 7120 RGB value meet the tolerance =100±2

B. Adjust Normal (7300K) color-temperature

1. Switch the chroma-7120 to **RGB-Mode** (with press “MODE” button)
2. Switch the MEM.channel to Channel 4 (with up or down arrow on chroma 7120)
3. The LCD-indicator on chroma 7120 will show x = 301 ±20, y = 317 ±20, Y>170
4. Adjust the RED on factory window until chroma 7120 indicator reached the value R=100
5. Adjust the GREEN on factory window until chroma 7120 indicator reachedthe value G=100
6. Adjust the BLUE on factory window until chroma 7120 indicator reached the value B=100
7. Repeat above procedure (item 4, 5, 6) until chroma 7120 RGB value meet the tolerance =100±2

C. Adjust Cool (9300K) color-temperature

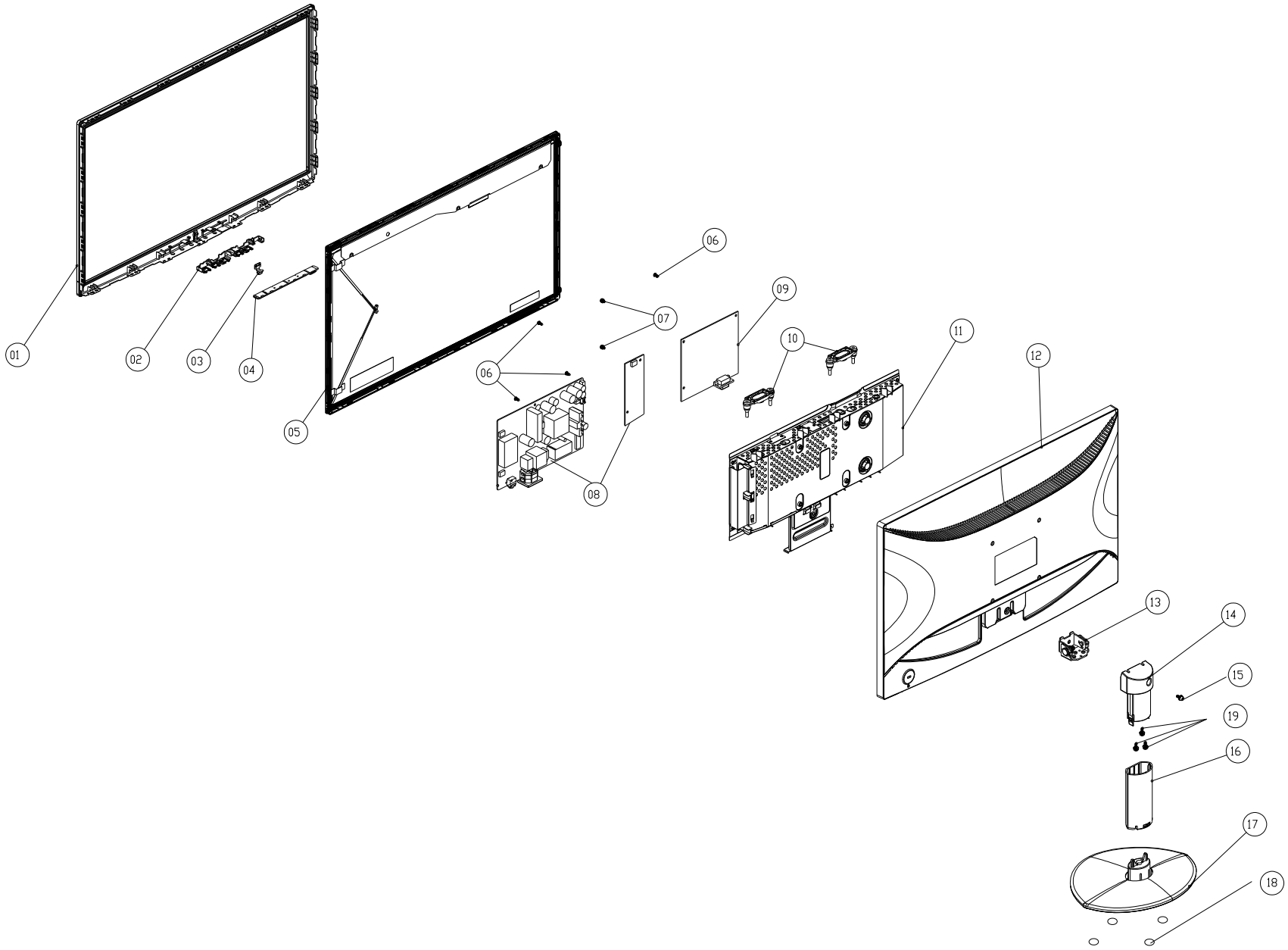
1. Switch the Chroma-7120 to **RGB-Mode** (with press “MODE” button)
2. Switch the MEM. Channel to Channel 9 (with up or down arrow on chroma 7120)
3. The LCD-indicator on chroma 7120 will show x = 283 ±20, y = 297 ±20, Y>150
4. Adjust the RED on factory window until chroma 7120 indicator reached the value R=100
5. Adjust the GREEN on factory window until chroma 7120 indicator reached the value G=100
6. Adjust the BLUE on factory window until chroma 7120 indicator reached the value B=100
7. Repeat above procedure (item 4, 5, 6) until chroma 7120 RGB value meet the tolerance =100±2

D. Adjust sRGB color-temperature

1. Switch the chroma-7120 to **RGB-Mode** (with press “MODE” button)
2. Switch the MEM.channel to Channel 10 (with up or down arrow on chroma 7120)
3. The LCD-indicator on chroma 7120 will show x = 313 ±20, y = 329 ±20, Y>180
4. Adjust the RED on factory window until chroma 7120 indicator reached the value R=100
5. Adjust the GREEN on factory window until chroma 7120 indicator reachedthe value G=100
6. Adjust the BLUE on factory window until chroma 7120 indicator reached the value B=100
7. Repeat above procedure (item 4, 5, 6) until chroma 7120 RGB value meet the tolerance =100±2

E. Turn the Power-button off to quit from factory mode.

10. Monitor Exploded View



No.	Description
1	BEZEL
2	KEY FUNTION
3	LENS POWER
4	KEY BOARD
5	PANEL
8	POWER BOARD
9	MAIN BOARD
10	SPEAKER
11	MAINFRAME
12	REAR COVER
13	HINGE ASS'Y
14	STAND COVER
16	STAND
17	BASE TSS1
18	FOOT

No.	Part No.	Description
6	0G1G1030 6120	SCREW(MAIN&POWER BOARD/MAIN_FRAME)
7	0M1G1730 6120	SCREW(POWER BOARD/MAIN_FRAME)
15	0M1G1740 10 47 CR3	SCREW(STAND/HINGE/REAR COVER)
19	AM1G1740 10 47 CR3	SCREW(HINGE/STAND)

11. BOM List

Note: The parts information listed below are for reference only, and are subject to change without notice. Please go to http://cs.tpv.com.cn/hello1.asp for the latest information.

T8AAR52EX81UAN

Location	Part No.	Description	Remark
	040G 581909 1A	PROTECT LABEL	
	052G 1211 B	CONDUCTIVE TAPE 85MM *40MM *0.09MM	
	052G 2191 A	PAPER TAPE	
	052G6019 1	INSULATING TAPE	
SP01	078G 518506 K	SPK 8OHM 2W 40X20X18 160 320MM KUAIDA	
SP01	078G 518506 Y	SPEAKER 8 2	
E08904	089G 17356C554	AUDIO CABLE 1800MM	
E08902	089G 725CAADBD	D-SUB CABLE 1500MM	
E08901	089G417A15N HL	AC POWER CORD 1500MM	2nd source
E08901	089G417A15N IS	POWER CORD	
ECN408	095G8014 6WH91	HARNESS 6P(A2008H)-6P(A1253HA) 140MM	2nd source
ECN408	095G8014 6XH91	2.2NESS 6P(A2008H)-6P(A1253HA) 140MM	
ECN801	095G801410D906	HARNESS 10P-10P 300MM FQE90742I	
ECN801	095G801410W906	HARNESS 10P-10P 300MM WDK09071306	2nd source
ECN405	095G8018 3DH92	LVDS CABLE 30P-30P 140MM	2nd source
ECN804	095G8022 6L515	HARNESS 6P(CI1406S)-6P(A1253HA HR) 460MM	2nd source
ECN804	095G8022 6X515	HARNESS 6P(CI1406S)-6P(A1253HA HR) 460MM	
	708G8038 CP06A	OTS 40(2592)	
	052G 1185 1	BIG TAPE(Y1200141)	
	Q45G 77 5	PE PACKING (Y1900241)	
	Q50G 4 10	TIE (Y1900221)	
E750	750GBU185X1D04N000	LCD M185XW01 VD00 SH AUO	2nd source
E750	750GBU185X1D07N000	LCD M185XW01 VD00 WJ AUO	
E750	750GBU185X1DA4N000	LCD M185XW01 VD0A SH AUO	2nd source
E750	750GBU185X1DA7N000	LCD M185XW01 VD0A WJ AUO	2nd source
	756GQACB AW025 00	MAIN BOARD-CBPCARDA4QS	
U402	056G2233501	FLASH MX25L2026DM1I-12G 2MB SOP-8	
SMTCA-U402	100GARA8003YT1	MCU ASS'Y-056G2233501	
	801GQAEE096	L185WA-TS20-TSS1-ASS"Y	
	0G1G1030 6120	SCREW	
	0M1G1730 6120	SCREW 3X6	
	A15G0842D01201	MAINFRAME	
M037	A37G0127 1	HINGE ASS¡¯Y	
	AM1G1740 10 47 CR3	SCREW	
	Q12G6600 6	FOOT	
M037	SA37G01271	HINGE ASS'Y	

	015F0127010	BRACKET	
	015F0127020	BRACKET	
	004F0610051 01	WASHER	
	004F061212T 00	WASHER	
	004F061210M 00	METAL WASHERS12.0*6.03*4.70H	
	004F0612121 00	WASHER	
	004F0611051 00	WASHER	
	028F0617070	SHAFT	
	0M1F3050106	SCREW	
	002F0605100	SCREW NUTS M6.0*P1.0 白色	
	802GQA34054	L185WA-TS3-TSS1-STAND ASS'Y	
	0M1G1740 10 47 CR3	SCREW 4X10	
	Q34G7045AED 1B0100	STAND	
	Q34G7046AED 1B0100	STAND COVER	
	803GQA44018	L185WA-TS3-TSS1-EPS-ASS'Y	
	Q44G8038101	EPS	
	Q44G8038201	EPS	
	A33G0740AED 1L0100	KEY FUNTION	
	A33G0741 2 1C0100	LENS POWER	
	A34G1407AED 1B0130	BASE TSS1	
	Q34G7043AED 8B0130	BEZEL	
	Q34G7044AED 3B0100	REAR COVER	
	Q40G 18N624 3A	RATING LABEL	
	Q40G0002624A14	POP NU LOGO	
	Q40G0002624B13	NU LOGO LABEL FOR CARTON	
	Q41G19M1600 2A	NO-BRAND TS185 UM	
	Q44G8038600 1A	CARTON	
	Q45G 88609203 N	EPE BAG	
ECN405	S95G80183H92	HARNESS 30P-30P 140MM	
	033F100JR24E30	A10004A-S30-01	
	033F204H 30	A2004H-2*15P	
	033F100TJRE	A10001T-A04-01	
	033F204T 24	A2004-T	
	033F303SM24K30	PK2407P30/TD00-30LH	
	033F303TTD1	TD00-T 2407PS-00	
	033F204T 24	A2004-T	
	033F100TJRE	A10001T-A04-01	
	033F303TTD1	TD00-T 2407PS-00	
	033F100JR24E30	A10004A-S30-01	
	033F204H 30	A2004H-2*15P	

	033F303SM24K30	PK2407P30/TD00-30LH	
	040G 58162435A	PN LABEL FOR MANUAL PE BAG	
	Q26G 800504 2B	BARCODE LABEL FOR 3	
CN408	033G3802 6B Y	CONN 6PIN 2.0	
CN404	033G3802 9B Y	CONNECTOR 9P 2.0	
CN405	033G804330C H HR	WAFER 2*15P 2.0PICTH	2nd source
R480	061G152M229 64	2.2 OHM 2W 5% MOF	
CN101	088G 35315F HD	D-SUB CONN 15P BLUE - R/A	
X401	093G 22 53 J	CRYSTAL 14.31818MHZ/32PF49US	
X401	093G 22 53 YC	CRYSTAL 14.31818MHZ/32PF 49U/S YC	
X401	093G 22 53CEC	CRYSTAL S-F-14.31818M-32-3030-2085-30	
CN405	311GW200C30ABL	WAFER 2.0MM 2*15P	
	709G3244 QM001	CONSUMPTIVE ASS'Y	
	055G 2	ALCOHOL	
	055G 23524	WELDING FLUX WITHOUT PB	
	Q55G 100625	TIN STICK_LOW ARGENTUM	
C421	067G 3051014PT	CD263 EC 100UF 20% 25V 6.3*11	
C423	067G 3051014PT	CD263 EC 100UF 20% 25V 6.3*11	
C427	067G 3051014PT	CD263 EC 100UF 20% 25V 6.3*11	
	709G3244 QA001	CONSUMPTIVE ASS'Y	
U401	056G 562266	IC SCALER RTD2270S-GR LQFP-64	
U404	056G 563 52	LDO AP1117D33G-13-77	
U103	056G 662502	IC ESD AZC199-04S.R7G SOT23-6L	
U102	056G 662502	IC ESD AZC199-04S.R7G SOT23-6L	
U405	056G1133531	EEPROM FM24C02A-SO-T-G 2K SOP-8	
U405	056G1133918	NO-SUGGEST AT24C02BN-SH-T 2KB SO-8	
U402	056G2233501	FLASH MX25L2026DM1I-12G 2MB SOP-8	
Q406	057G 417 12 T	KEC 2N3904S-RTK/PS	
Q408	057G 417 12 T	KEC 2N3904S-RTK/PS	
Q409	057G 417 16 T	MMBT2907	
Q410	057G 417 16 T	MMBT2907	
Q408	057G 417511	MMBT3904	
Q402	057G 417517	TRA LMBT3906LT1G -200MA/-40V SOT-23 LRC	
Q403	057G 417517	TRA LMBT3906LT1G -200MA/-40V SOT-23 LRC	
Q404	057G 417517	TRA LMBT3906LT1G -200MA/-40V SOT-23 LRC	
Q407	057G 417518	TRA LMBT3904LT1G 200MA/40V SOT-23 LRC	
Q406	057G 417518	TRA LMBT3904LT1G 200MA/40V SOT-23 LRC	
Q409	057G 417527	SMALLTRAN MMBT2907A -0.6 -60V SOT-23	
Q410	057G 417527	SMALLTRAN MMBT2907A -0.6 -60V SOT-23	
Q405	057G 763 1	MOSFET A03401 4.2A 30V SOT-23	

Q405	057G 763535	MOSFET LP3401LT1G -4.2A -30V SOT-23	
R402	061G0402000 JI	RST 0402 0.05R MAX 1/16W	
R461	061G0402000 JI	RST 0402 0.05R MAX 1/16W	
R462	061G0402000 JI	RST 0402 0.05R MAX 1/16W	
R481	061G0402000 JI	RST 0402 0.05R MAX 1/16W	
R481	061G0402000 JT	RST CHIPR MAX0R05 1/16W TZAI YUAN	
R462	061G0402000 JT	RST CHIPR MAX0R05 1/16W TZAI YUAN	
R461	061G0402000 JT	RST CHIPR MAX0R05 1/16W TZAI YUAN	
R402	061G0402000 JT	RST CHIPR MAX0R05 1/16W TZAI YUAN	
R412	061G0402101 JI	BEST ONLY RST 0402 100R 5% 1/16W TA-I	
R413	061G0402101 JI	BEST ONLY RST 0402 100R 5% 1/16W TA-I	
R420	061G0402101 JI	BEST ONLY RST 0402 100R 5% 1/16W TA-I	
R442	061G0402101 JI	BEST ONLY RST 0402 100R 5% 1/16W TA-I	
R411	061G0402101 JI	BEST ONLY RST 0402 100R 5% 1/16W TA-I	
R405	061G0402101 JI	BEST ONLY RST 0402 100R 5% 1/16W TA-I	
R401	061G0402101 JI	BEST ONLY RST 0402 100R 5% 1/16W TA-I	
R117	061G0402101 JI	BEST ONLY RST 0402 100R 5% 1/16W TA-I	
R115	061G0402101 JI	BEST ONLY RST 0402 100R 5% 1/16W TA-I	
R114	061G0402101 JI	BEST ONLY RST 0402 100R 5% 1/16W TA-I	
R111	061G0402101 JI	BEST ONLY RST 0402 100R 5% 1/16W TA-I	
R108	061G0402101 JI	BEST ONLY RST 0402 100R 5% 1/16W TA-I	
R104	061G0402101 JI	BEST ONLY RST 0402 100R 5% 1/16W TA-I	
R103	061G0402101 JI	BEST ONLY RST 0402 100R 5% 1/16W TA-I	
R102	061G0402101 JI	BEST ONLY RST 0402 100R 5% 1/16W TA-I	
R405	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	
R401	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	
R117	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	
R115	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	
R114	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	
R111	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	
R108	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	
R104	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	
R411	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	
R412	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	
R413	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	
R420	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	
R442	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	
R103	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	
R102	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	
R418	061G0402101 JY	RST CHIPR 100 OHM +-5% 1/16W YAGEO	

R419	061G0402101 JY	RST CHIPR 100 OHM +-5% 1/16W YAGEO	
R441	061G0402102 JI	RST 0402 1K 5% 1/16W TA-I	
R441	061G0402102 JT	RST CHIP 1K 1/16W 5% TZAI YUAN	
R439	061G0402103 JI	TEST ONLY RST 0402 10K 5% 1/16W TA-I	
R437	061G0402103 JI	TEST ONLY RST 0402 10K 5% 1/16W TA-I	
R433	061G0402103 JI	TEST ONLY RST 0402 10K 5% 1/16W TA-I	
R421	061G0402103 JI	TEST ONLY RST 0402 10K 5% 1/16W TA-I	
R414	061G0402103 JI	TEST ONLY RST 0402 10K 5% 1/16W TA-I	
R410	061G0402103 JI	TEST ONLY RST 0402 10K 5% 1/16W TA-I	
R408	061G0402103 JI	TEST ONLY RST 0402 10K 5% 1/16W TA-I	
R407	061G0402103 JI	TEST ONLY RST 0402 10K 5% 1/16W TA-I	
R404	061G0402103 JI	TEST ONLY RST 0402 10K 5% 1/16W TA-I	
R118	061G0402103 JI	TEST ONLY RST 0402 10K 5% 1/16W TA-I	
R439	061G0402103 JT	RST CHIP 10K 1/16W 5% TZAI YUAN	
R437	061G0402103 JT	RST CHIP 10K 1/16W 5% TZAI YUAN	
R433	061G0402103 JT	RST CHIP 10K 1/16W 5% TZAI YUAN	
R421	061G0402103 JT	RST CHIP 10K 1/16W 5% TZAI YUAN	
R414	061G0402103 JT	RST CHIP 10K 1/16W 5% TZAI YUAN	
R410	061G0402103 JT	RST CHIP 10K 1/16W 5% TZAI YUAN	
R408	061G0402103 JT	RST CHIP 10K 1/16W 5% TZAI YUAN	
R407	061G0402103 JT	RST CHIP 10K 1/16W 5% TZAI YUAN	
R404	061G0402103 JT	RST CHIP 10K 1/16W 5% TZAI YUAN	
R118	061G0402103 JT	RST CHIP 10K 1/16W 5% TZAI YUAN	
R447	061G0402103 JY	RST CHIPR 10KOHM +-5% 1/16W YAGEO	
R436	061G0402104 JI	TEST ONLY RST 0402 100K 5% 1/16W TA-I	
R436	061G0402104 JT	RST CHIP 100K 1/16W 5% TZAI YUAN	
R469	061G0402222 JI	TEST ONLY RST 0402 2.2K 5% 1/16W TA-I	
R466	061G0402222 JI	TEST ONLY RST 0402 2.2K 5% 1/16W TA-I	
R106	061G0402222 JI	TEST ONLY RST 0402 2.2K 5% 1/16W TA-I	
R105	061G0402222 JI	TEST ONLY RST 0402 2.2K 5% 1/16W TA-I	
R469	061G0402222 JT	RST CHIP 2K2 1/16W 5% TZAI YUAN	
R466	061G0402222 JT	RST CHIP 2K2 1/16W 5% TZAI YUAN	
R106	061G0402222 JT	RST CHIP 2K2 1/16W 5% TZAI YUAN	
R105	061G0402222 JT	RST CHIP 2K2 1/16W 5% TZAI YUAN	
R109	061G04023900FI	TEST ONLY RST 0402 390R 1% 1/16W TA-I	
R403	061G04023900FI	TEST ONLY RST 0402 390R 1% 1/16W TA-I	
R428	061G0402392 JI	TEST ONLY RST 0402 3.9K 5% 1/16W TA-I	
R427	061G0402392 JI	TEST ONLY RST 0402 3.9K 5% 1/16W TA-I	
R428	061G0402392 JT	RST CHIP R 3K9 +/-5% 1/16W TZAI YUAN	
R427	061G0402392 JT	RST CHIP R 3K9 +/-5% 1/16W TZAI YUAN	

R476	061G0402470 JI	RST 0402 47R 5% 1/16W	
R475	061G0402470 JI	RST 0402 47R 5% 1/16W	
R476	061G0402470 JT	RST CHIP 47R 1/16W 5% TZAI YUAN	
R475	061G0402470 JT	RST CHIP 47R 1/16W 5% TZAI YUAN	
R485	061G0402472 JI	TEST ONLY RST CHIP 4.7K 5% 1/16W TA-I	
R474	061G0402472 JI	TEST ONLY RST CHIP 4.7K 5% 1/16W TA-I	
R473	061G0402472 JI	TEST ONLY RST CHIP 4.7K 5% 1/16W TA-I	
R472	061G0402472 JI	TEST ONLY RST CHIP 4.7K 5% 1/16W TA-I	
R440	061G0402472 JI	TEST ONLY RST CHIP 4.7K 5% 1/16W TA-I	
R435	061G0402472 JI	TEST ONLY RST CHIP 4.7K 5% 1/16W TA-I	
R473	061G0402472 JY	RST CHIPR 4.7KOHM +-5% 1/16W YAGEO	
R472	061G0402472 JY	RST CHIPR 4.7KOHM +-5% 1/16W YAGEO	
R440	061G0402472 JY	RST CHIPR 4.7KOHM +-5% 1/16W YAGEO	
R435	061G0402472 JY	RST CHIPR 4.7KOHM +-5% 1/16W YAGEO	
R474	061G0402472 JY	RST CHIPR 4.7KOHM +-5% 1/16W YAGEO	
R485	061G0402472 JY	RST CHIPR 4.7KOHM +-5% 1/16W YAGEO	
R487	061G0402472 JY	RST CHIPR 4.7KOHM +-5% 1/16W YAGEO	
R448	061G0402472 JY	RST CHIPR 4.7KOHM +-5% 1/16W YAGEO	
R107	061G0402750 JI	TEST ONLY RST 0402 75R 5% 1/16W TA-I	
R112	061G0402750 JI	TEST ONLY RST 0402 75R 5% 1/16W TA-I	
R116	061G0402750 JI	TEST ONLY RST 0402 75R 5% 1/16W TA-I	
R116	061G0402750 JT	RST 0402 75R 5% 1/16W	
R112	061G0402750 JT	RST 0402 75R 5% 1/16W	
R107	061G0402750 JT	RST 0402 75R 5% 1/16W	
R101	061G0603000 JI	RST 0603 0.05R MAX 1/10W TA-I	
R101	061G0603000 JT	RST CHIP MAX 0R05 1/10W TZAI YUAN	
R468	061G0603201 JI	RST 0603 200R 5% 1/10W TA-I	
R471	061G0603331 JI	RST 0603 330R 5% 1/10W	
R471	061G0603331 JT	RST 0603 330R 5% 1/10W	
R477	061G1206331 JF	RST CHIPR 330 OHM +-5% 1/4W FENGHUA	
R477	061G1206331 JT	RST CHIPR 330 OHM +-5% 1/4W TZAI YUAN	
R477	061G1206331 JY	RST CHIPR 330 OHM +-5% 1/4W YAGEO	
C106	065G040210232K A	CAP 0402 1NF 10% 50V X7R	
C428	065G040210412K A	CAP CHIP 0402 100NF K 16V X7R	
C432	065G040210412K A	CAP CHIP 0402 100NF K 16V X7R	
C422	065G040210412K A	CAP CHIP 0402 100NF K 16V X7R	
C420	065G040210412K A	CAP CHIP 0402 100NF K 16V X7R	
C419	065G040210412K A	CAP CHIP 0402 100NF K 16V X7R	
C417	065G040210412K A	CAP CHIP 0402 100NF K 16V X7R	
C416	065G040210412K A	CAP CHIP 0402 100NF K 16V X7R	

C415	065G040210412K A	CAP CHIP 0402 100NF K 16V X7R	
C414	065G040210412K A	CAP CHIP 0402 100NF K 16V X7R	
C413	065G040210412K A	CAP CHIP 0402 100NF K 16V X7R	
C407	065G040210412K A	CAP CHIP 0402 100NF K 16V X7R	
C406	065G040210412K A	CAP CHIP 0402 100NF K 16V X7R	
C403	065G040210412K A	CAP CHIP 0402 100NF K 16V X7R	
C401	065G040210412K A	CAP CHIP 0402 100NF K 16V X7R	
C404	065G0402105A5K Y	CAP 0402 1UF 10% 10V X5R	
C411	065G040222031J A	CAP 0402 22PF J 50V NPO	
C103	065G040222031J A	CAP 0402 22PF J 50V NPO	
C102	065G040222031J A	CAP 0402 22PF J 50V NPO	
C412	065G040222031J A	CAP 0402 22PF J 50V NPO	
C408	065G040222417Z T	CAP CHIP 0402 0.22UF 16V Y5V	
C434	065G040222417Z T	CAP CHIP 0402 0.22UF 16V Y5V	
C105	065G040247312K A	CAP 0402 47NF 10% 16V X7R	
C107	065G040247312K A	CAP 0402 47NF 10% 16V X7R	
C109	065G040247312K A	CAP 0402 47NF 10% 16V X7R	
C110	065G040247312K A	CAP 0402 47NF 10% 16V X7R	
C113	065G040247312K A	CAP 0402 47NF 10% 16V X7R	
C101	065G040247312K A	CAP 0402 47NF 10% 16V X7R	
C101	065G040247312K T	CAP 0402 47NF 10% 16V X7R	
C113	065G040247312K T	CAP 0402 47NF 10% 16V X7R	
C110	065G040247312K T	CAP 0402 47NF 10% 16V X7R	
C109	065G040247312K T	CAP 0402 47NF 10% 16V X7R	
C107	065G040247312K T	CAP 0402 47NF 10% 16V X7R	
C105	065G040247312K T	CAP 0402 47NF 10% 16V X7R	
C111	065G040250931J A	CAP 0402 5PF J 50 NPO	
C108	065G040250931J A	CAP 0402 5PF J 50 NPO	
C104	065G040250931J A	CAP 0402 5PF J 50 NPO	
FB401	071G 56300 TA	CHIP BEAD 0805 30R 25% HCB2012KF-300T50	
FB402	071G 56K121 M	CHIP BEAD 120OHM 6A MGLB2012-120T-LF	
FB103	071G 59K190 TA	CHIP BEAD 0603 19R 25% FCB1608KF-190T05	
FB102	071G 59K190 TA	CHIP BEAD 0603 19R 25% FCB1608KF-190T05	
FB101	071G 59K190 TA	CHIP BEAD 0603 19R 25% FCB1608KF-190T05	
D403	093G 64 42 L	DIODE LBAV70LT1G SOT-23 LRC	
D403	093G 64 42 PP	BAV70 SOT-23	
ZD103	093G 39GA01 T	RLZ5.6B	
	709G3244 QS001	CONSUMPTIVE ASS'Y	
	052G 2191 A	PAPER TAPE	
	Q52G6026 6	MESH PRINTTING PAPER	

	715G3244 2 2	MAIN PCB FR-4 D/S 65X64MM T1.6MM	
R109	061G04023900FY	RST CHIP 390R 1/16W 1%	
R403	061G04023900FY	RST CHIP 390R 1/16W 1%	
R468	061G0603201 JT	RST CHIP 200R 1/10W 5% TZAI YUAN	
	H40G 45762429A	LABEL	
	KEPC9QHL	KEY BOARD	
SW001	077G 500 5J XL	DOME SWITCH 5PCS	
CN001	033G8032 6F X	WAFER 6P 1.25MM	
CN001	033G8032 6F HR	CONNECTOR 6P 1.25	2nd source
R003	061G0603000 JI	RST 0603 0.05R MAX 1/10W TA-I	
R003	061G0603000 JT	RST CHIP MAX 0R05 1/10W TZAI YUAN	
R005	061G0603102 JI	TEST ONLY RST 0603 1K 5% 1/10W TA-I	
R002	061G0603202 JI	RST 0603 2K 5% 1/16W TA-I	
R004	061G0603202 JI	RST 0603 2K 5% 1/16W TA-I	
R004	061G0603202 JT	RST 0603 2K 5% 1/10W	
R002	061G0603202 JT	RST 0603 2K 5% 1/10W	
C003	065G060310432K A	CAP 0603 100NF 10% 50V X7R	
C004	065G060310432K A	CAP 0603 100NF 10% 50V X7R	
C003	065G060310432K F	CAP CHIP 0603 0.1UF K 50V X7R	
C004	065G060310432K F	CAP CHIP 0603 0.1UF K 50V X7R	
LED01	081G 14 12 GP	CHIP LED GPTD1210YBC5-D	
LED01	081G 14 12 KT	CHIP LED	
E715	715G3584K01000004F	KEY PCB FR4 130X11X1.6MM DS	
E715	715G3584K01000004K	KEY PCB FR4 130X11X1.6MM DS	2nd source
R005	061G0603102 JT	RST CHIP 1K 1/10W 5% TZAI YUAN	
	LNPCA9341AQBS	CONVERTER BOARD G4128-P02-000-0040-7-100716	
C809	067G 4151017HV	EC 100UF 20% 50V 8*11	
C809	067G 4151017KV	EC 100UF 50V ED 8*12	
C807	067G 415479 9K	EC 4.7UF 20% 100V ED 8*12	
C807	067G 415479 9L	EC 4.7UF 20% 100V ED 8*12	
	H40G 45762429A	LABEL	
U801	056G 700 5	IC LED DRIVER MP3389EF TSSOP28	
Q806	057G 763 92	FET P8008HV 4A/80V SOP-8	
R806	061G0603102 JF	RST CHIPR 1K OHM +-5% 1/10W FENGHUA	
R808	061G0603102 JF	RST CHIPR 1K OHM +-5% 1/10W FENGHUA	
R806	061G0603102 JY	RST CHIPR 1KOHM +-5£¥ 1/10W YAGEO	
R808	061G0603102 JY	RST CHIPR 1KOHM +-5£¥ 1/10W YAGEO	
R803	061G06031402FF	RST CHIPR 14KOHM +-1% 1/10W FENGHUA	
R803	061G06031402FY	RST CHIPR 14KOHM 1/10W YAGEO	
R810	061G0603203 JF	RST CHIPR 20K OHM +-5% 1/10W FENGHUA	

R807	061G0603203 JF	RST CHIPR 20K OHM +-5% 1/10W FENGHUA	
R807	061G0603203 JT	RST 0603 20K 5% 1/10W	
R810	061G0603203 JT	RST 0603 20K 5% 1/10W	
R819	061G06034702FF	RST CHIPR 47KOHM +-1% 1/10W FENGHUA	
R819	061G06034702FT	RST CHIP 47K 1/10W 1%	
R809	061G06039101FT	RST CHIP 9K1 1/10W 1%	
R809	061G06039101FY	RST CHIPR 9.1KOHM +-1% 1/10W YAGEO	
R827	061G0805109 JT	RST CHIP 1R 1/8W 5% TZAI YUAN	
R828	061G0805109 JT	RST CHIP 1R 1/8W 5% TZAI YUAN	
R828	061G0805109 JY	RST CHIP 1R 1/8W 5% YAGEO	
R827	061G0805109 JY	RST CHIP 1R 1/8W 5% YAGEO	
R805	061G0805304 JF	RST CHIPR 300KOHM +-5% 1/8W FENGHUA	
R805	061G0805304 JY	RST CHIPR 300K +-5% 1/8W YAGEO	
R818	061G1206000 JF	RST CHIPR MAX0R05 1/4W FENGHUA	
R818	061G1206000 JY	RST CHIPR MAX0R05 1/4W YAGEO	
R801	061G12061009FF	RST CHIP 10 OHM 1% 1/4W FENGHUA	
R801	061G12061009FT	RST CHIP R 10OHM 1/4W +/-1%	
C806	065G060310131J M	CAP CHIP 0603 100PF J 50V NPO	
C806	065G060310131J Y	CAP CHIP 0603 100P 50V NP0 +/-5%	
C802	065G060368332K F	CAP CHIP 0603 68NF K 50V X7R	
C802	065G060368332K Y	CHIP 0603 68NF 50V X7R	
C805	065G080522141J A	NO-SUGGEST 0805 220PF J 100V NPO	
C805	065G080522141J Y	CAP CHIP 0805 220P 100V NP0 +/-5%	
C801	065G080547432K A	CAP CHIP 0805 0.47UF K 50V X7R	
C803	065G080547432K A	CAP CHIP 0805 0.47UF K 50V X7R	
C804	065G080547432K A	CAP CHIP 0805 0.47UF K 50V X7R	
L801	073G253S 59 DN	SMD CHOKE 22UH 20% 0.032R LK.29220.A2P 4	
D801	093G 60S932 T	SCHOTTKY SK310B R4 3A 100V DO-214AA	
C801	065G080547432K Y	CAP CHIP 0805 470N 50V X7R +/-10%	
C803	065G080547432K M	CAP 0805 470NF 10% 50V X7R	
C804	065G080547432K M	CAP 0805 470NF 10% 50V X7R	
R812	061G12060004JF	RST CHIPR MAX0R05 4A 1/4W FENGHUA	
R812	061G12060004JY	RST CHIPR MAX0R05 4A 1/4W YAGEO	
R811	061G12061507FF	RST 1206 0.15R 1% 1/4W	
R815	061G12061507FF	RST 1206 0.15R 1% 1/4W	
L801	073G253S 59 X	SMD CHOKE 22UH 4A 3SMSL12575-220M HF	
L801	073G253S 59 H	SMD CHOKE 22UH 4A SPI12580WCC-220 HF	
R827	061G0805109 JY	RST CHIP 1R 1/8W 5% YAGEO	
R828	061G0805109 JY	RST CHIP 1R 1/8W 5% YAGEO	
R804	061G06031003FF	RST CHIPR 100KOHM +-1% 1/10W FENGHUA	

R804	061G06031003FY	RST CHIP 100K 1/10W 1%	
CN801	033G803210F HR HF	CONNECTOR 1.25MM 10P	
R829	061G0805109 JY	RST CHIP 1R 1/8W 5% YAGEO	
R829	061G0805109 JF	RST CHIPR 1 OHM +- 5% 1/8W FENGHUA	
C801	065G080547432K T	CAP CHIP 0805 0.47UF K 50V X7R	
C804	065G080547432K T	CAP CHIP 0805 0.47UF K 50V X7R	
C803	065G080547432K T	CAP CHIP 0805 0.47UF K 50V X7R	
CN804	033G8032 6F HR	CONNECTOR 6P 1.25	
CN804	033G8032 6F X	WAFER 6P 1.25MM	2nd source
R835	061G0805000 JF	RST CHIPR 0 OHM +-5% 1/8W FENGHUA	
R835	061G0805000 JT	RST 0805 0.05R MAX 1/8W	
R837	061G0805000 JF	RST CHIPR 0 OHM +-5% 1/8W FENGHUA	
R837	061G0805000 JT	RST 0805 0.05R MAX 1/8W	
R838	061G0805000 JF	RST CHIPR 0 OHM +-5% 1/8W FENGHUA	
R838	061G0805000 JT	RST 0805 0.05R MAX 1/8W	
R836	061G0805109 JT	RST CHIP 1R 1/8W 5% TZAI YUAN	
R836	061G0805109 JF	RST CHIPR 1 OHM +- 5% 1/8W FENGHUA	
Q806	057G 763947	MOSFET APM8005KCTRG SOP-8	
D801	093G 60S907 T	SCHOTTKY B3100B 3A 100V SMB	
R829	061G0805109 JT	RST CHIP 1R 1/8W 5% TZAI YUAN	
R815	061G12061507FY	RST CHIPR 0.15 OHM +-1% 1/4W YAGEO	
R811	061G12061507FY	RST CHIPR 0.15 OHM +-1% 1/4W YAGEO	
	715G4128P03000004F	PWR PCB FR4 DS 110X40X1.6MM	
R822	061G06031002FT	RST CHIP 10K 1/10W 1%	
R822	061G06031002FY	RST CHIPR 10KOHM +-1% 1/10W YAGEO	
C812	065G1206102B2K T	CAP CHIP1206 1000PF K 630V X7R	
R826	061G0805339 JF	RST CHIP 3.3R 1/8W 5% FENGHUA	
R826	061G0805339 JY	RST CHIP 3.3R 1/8W 5% YAGEO	
R802	061G06032203FY	RST CHIPR 220KOHM +-1% 1/10W YAGEO	
R802	061G06032203FF	RST CHIPR 220KOHM +-1% 1/10W FENGHUA	
C812	065G1206102B2K M	CAP 1206 1000PF 10% 630V X7R	
R818	061G1206000 JI	RST 1206 MAX0R05 5% 1/4W	
R811	061G12061507FT	RST CHIPR 0.15 OHM +-1% 1/4W	
R815	061G12061507FT	RST CHIPR 0.15 OHM +-1% 1/4W	
	ADPC91503AA6	ADAPTER BOARD G3189-PO1-LED-X-8-100429	
	H40G 45762429A	LABEL	
GND1	009G6005 1	GROUND TERMINAL	
GND2	009G6005 1	GROUND TERMINAL	
GND3	009G6005 1	GROUND TERMINAL	
CN602	033G3802 4	WAFER 2.0MM 4P	

CN903	033G380210B Y L	CONNECTOR 10P 2.0	
CN903	033G380210B Y W	WAFER	2nd source
IC902	056G 139 3A	PC123Y22FZOF SHARP	
IC601	056G 616 51	IC APA2071JI-TUG 3.1W DIP-16	
NR901	061G 58 9T	RST NTCR 10 OHM +-20% 5A THINKING	
C904	063G107K474 6S	0.47UF +-10%	
C904	063G107K474 US	NO-SUGGEST 0.47UF +-10%	
C903	065G306K3312B3	Y1 CAP 330PF K 250VAC CD	
C902	065G306K3312BM	CAP Y1 330PF 10% 250V Y5P	
C903	065G306K3312BM	CAP Y1 330PF 10% 250V Y5P	
C902	065G306K3312BP	Y1 CAP 330PF 10% 250V Y5P	
C903	065G306K3312BP	Y1 CAP 330PF 10% 250V Y5P	
C900	065G306M1022B3	Y1 CAP 1000PF M 250VAC TDK	
C900	065G306M1022BP	CAP Y1 1NF 20% 250V Y5U	
C918	067G 3151007KV	CAP 105C 10UF M 50V	
C907	067G 40Z10115K	CAP 105C 100UF M 450V	
C907	067G 40Z10115L	EC 100UF 450V M 18*36MM	
C912	067G215D1024KV	LOW ESR EC 1000UF 25V M 12.5*20MM	
C914	067G215P4713XV	CAP 105C 470UF M 16V	
C914	067G215S4713KV	EC 470UF 20% 16V 10X13	
L901	073G 174 65 H2	LINE FILTER 30MH MIN	
L901	073G 174 65 S2	LINE FILTER 30MH MIN	
L902	073G 253 91 H	IND CHOKE 3.5UH+-10% DADONG	
L903	073G 253 91 H	IND CHOKE 3.5UH+-10% DADONG	
L902	073G 253 91 L	CHOKE COIL 3.5UH 10% CC-015367HF,VOC,HF	
L903	073G 253 91 L	CHOKE COIL 3.5UH 10% CC-015367HF,VOC,HF	
L902	073G 253 91 V	CHOKE COIL 3.5UH+-10%	
L903	073G 253 91 V	CHOKE COIL 3.5UH+-10%	
T901	080GL19P 1 L	POWER X'FMR 1.1MH 10% PT-0112045-2	
CN901	087G 501 32 S	AC SOCKET ST-01CP-BCE-R	2nd source
CN901	087G 501 32 DL	AC SOCKET DIP 3PIN+2PIN GROUND	
CN601	088G 30214K DC	PHONE JACK 5P GREEN -	
BD901	093G 50460 28	BRIDGE DIODE KBP208G LITEON	
BD901	093G 50460502	BRIDGE KBP206G C2	
D906	093G 60272	RECTIFIER SR540-MK23 5A 40V DO-27	
D904	093G 60272	RECTIFIER SR540-MK23 5A 40V DO-27	
D903	093G 60520	DIODE SR5100-MK23 5A/100V DO-27 SECOS	
D905	093G 60520	DIODE SR5100-MK23 5A/100V DO-27 SECOS	
D904	093G 60923	DIODE SR504-30 DO-201AD	
D906	093G 60923	DIODE SR504-30 DO-201AD	

D905	093G 60924	DIODE SR510-22 DO-201AD	
D903	093G 60924	DIODE SR510-22 DO-201AD	
CN902	095G 825 9D904	HARNESS 9P(SCN) - 9P 200MM FQE90829I	
CN902	095G 825 9X904	HARNESS 9P(SCN) - 9P 120MM LCDXXTF0358	2nd source
	705GQ956024	IC901 ASS'Y	
IC901	056G 581 20	IC TOP255EN ESIP-7C	
	0M1G 930 8120	SCREW 3X8	
	Q11G0026 1	WIRE-CLIP	
HS1	Q90G6263 6	HEAT SINK	
Q608	057G 417 18 T	PMBT3904 SOT-23	
Q607	057G 417512	MMBT3906	
Q607	057G 417517	TRA LMBT3906LT1G -200MA/-40V SOT-23 LRC	
Q608	057G 417518	TRA LMBT3904LT1G 200MA/40V SOT-23 LRC	
R628	061G0603000 JF	RST CHIPR MAX 0R05 1/10W FENGHUA	
R623	061G0603000 JF	RST CHIPR MAX 0R05 1/10W FENGHUA	
R623	061G0603000 JT	RST CHIP MAX 0R05 1/10W TZAI YUAN	
R628	061G0603000 JT	RST CHIP MAX 0R05 1/10W TZAI YUAN	
R917	061G06031001FT	RST CHIP 1K 1/10W 1%	
R917	061G06031001FY	RST CHIPR 1KOHM +-1% 1/10W YAGEO	
R913	061G06031002FF	RST CHIPR 10 KOHM +-1% 1/10W FENGHUA	
R913	061G06031002FT	RST CHIP 10K 1/10W 1%	
R613	061G0603103 JF	RST CHIPR 10K OHM +-5% 1/10W FENGHUA	
R614	061G0603103 JF	RST CHIPR 10K OHM +-5% 1/10W FENGHUA	
R610	061G0603103 JF	RST CHIPR 10K OHM +-5% 1/10W FENGHUA	
R609	061G0603103 JF	RST CHIPR 10K OHM +-5% 1/10W FENGHUA	
R603	061G0603103 JF	RST CHIPR 10K OHM +-5% 1/10W FENGHUA	
R601	061G0603103 JF	RST CHIPR 10K OHM +-5% 1/10W FENGHUA	
R601	061G0603103 JI	RST 0603 10K 5% 1/10W	
R603	061G0603103 JI	RST 0603 10K 5% 1/10W	
R609	061G0603103 JI	RST 0603 10K 5% 1/10W	
R610	061G0603103 JI	RST 0603 10K 5% 1/10W	
R613	061G0603103 JI	RST 0603 10K 5% 1/10W	
R614	061G0603103 JI	RST 0603 10K 5% 1/10W	
R912	061G0603103 JI	RST 0603 10K 5% 1/10W	
R912	061G0603103 JT	RST CHIP 10K 1/10W 5% TZAI YUAN	
R614	061G0603103 JT	RST CHIP 10K 1/10W 5% TZAI YUAN	
R613	061G0603103 JT	RST CHIP 10K 1/10W 5% TZAI YUAN	
R610	061G0603103 JT	RST CHIP 10K 1/10W 5% TZAI YUAN	
R609	061G0603103 JT	RST CHIP 10K 1/10W 5% TZAI YUAN	
R603	061G0603103 JT	RST CHIP 10K 1/10W 5% TZAI YUAN	

R601	061G0603103 JT	RST CHIP 10K 1/10W 5% TZAI YUAN	
R602	061G0603103 JY	RST CHIPR 10KOHM £«-5£¥ 1/10W YAGEO	
R604	061G0603103 JY	RST CHIPR 10KOHM £«-5£¥ 1/10W YAGEO	
R605	061G0603103 JY	RST CHIPR 10KOHM £«-5£¥ 1/10W YAGEO	
R607	061G0603183 JT	RST CHIP 18K 1/10W 5% TZAI YUAN	
R606	061G0603183 JT	RST CHIP 18K 1/10W 5% TZAI YUAN	
R606	061G0603183 JY	RST 0603 18K 5% 1/10W	
R607	061G0603183 JY	RST 0603 18K 5% 1/10W	
R916	061G0603471 JF	RST CHIPR 470OHM +-5% 1/10W FENGHUA	
R916	061G0603471 JY	RST CHIPR 470 OHM 5% 1/10W YAGEO	
R615	061G0603472 JF	RST CHIPR 4.7KOHM +-5% 1/10W FENGHUA	
R615	061G0603472 JT	RST CHIP 4K7 1/10W 5% TZAI YUAN	
R611	061G0603563 JF	RST CHIPR 56KOHM 5% 1/10W FENGHUA	
R611	061G0603563 JI	RST 0603 56K 5% 1/16W TA-I	
R611	061G0603563 JT	RST CHIPR 56KOHM +-5% 1/10W TZAI YUAN	
R612	061G0603751 JF	RST CHIPR 750OHM +- 5% 1/10W FENGHUA	
R612	061G0603751 JT	RST CHIP 750R 1/10W 5% TZAI YUAN	
R915	061G06039311FF	RST CHIPR 9.31KOHM +-1% 1/10W FENGHUA	
R915	061G06039311FY	RST CHIPR 9.31KOHM +-1% 1/10W YAGEO	
R608	061G0805000 JF	RST CHIPR 0 OHM +-5% 1/8W FENGHUA	
R608	061G0805000 JT	RST 0805 0.05R MAX 1/8W	
R923	061G08051002FF	RST CHIPR 10KOHM +-1% 1/8W FENGHUA	
R923	061G08051002FT	RST CHIP 10K 1/8W 1%	
R923	061G08051002FY	RST CHIP 10K 1/8W 1%	
R903	061G08051102FT	RST CHIP 11K 1/8W 1%	
R903	061G08051102FY	RST CHIP 11K 1/8W 1%	
R924	061G0805689 JF	RST CHIPR 6R8 +-5% 1/8W FENGHUA	
R924	061G0805689 JI	RST CHIPR 6.8 OHM +-5% 1/8W 0805	
R924	061G0805689 JT	RST CHIPR 6.8 OHM +-5% 1/8W 0805	
R925	061G08058202FF	RST CHIPR 82KOHM +-1% 1/8W FENGHUA	
R925	061G08058202FT	RST CHIPR 82K +-1% 1/8W TZAI YUAN	
RJ601	061G1206000 JT	RST CHIPR MAX0R05 1/4W TZAI YUAN	
RJ601	061G1206000 JY	RST CHIPR MAX0R05 1/4W YAGEO	
R927	061G12060004JF	RST CHIPR MAX0R05 4A 1/4W FENGHUA	
R927	061G12060004JY	RST CHIPR MAX0R05 4A 1/4W YAGEO	
R910	061G1206101 JF	RST CHIPR 100 OHM +-5% 1/4W FENGHUA	
R910	061G1206101 JT	RST CHIPR 100 OHM +-5% 1/4W TZAI YUAN	
R926	061G1206229 JT	RST CHIPR 2R2 +-5% 1/4W TZAI YUAN	
R926	061G1206229 JY	RST 1206 2.2R 5% 1/4W	
R904	061G1206300 JF	RST CHIPR 30 OHM +-5% 1/4W FENGHUA	

R905	061G1206300 JF	RST CHIPR 30 OHM +-5% 1/4W FENGHUA	
R906	061G1206300 JF	RST CHIPR 30 OHM +-5% 1/4W FENGHUA	
R907	061G1206300 JF	RST CHIPR 30 OHM +-5% 1/4W FENGHUA	
R908	061G1206300 JF	RST CHIPR 30 OHM +-5% 1/4W FENGHUA	
R909	061G1206300 JF	RST CHIPR 30 OHM +-5% 1/4W FENGHUA	
R908	061G1206300 JT	RST CHIPR 30 OHM +-5% 1/4W TZAI YUAN	
R909	061G1206300 JT	RST CHIPR 30 OHM +-5% 1/4W TZAI YUAN	
R907	061G1206300 JT	RST CHIPR 30 OHM +-5% 1/4W TZAI YUAN	
R906	061G1206300 JT	RST CHIPR 30 OHM +-5% 1/4W TZAI YUAN	
R905	061G1206300 JT	RST CHIPR 30 OHM +-5% 1/4W TZAI YUAN	
R904	061G1206300 JT	RST CHIPR 30 OHM +-5% 1/4W TZAI YUAN	
R920	061G1206335 JF	RST CHIPR 3.3M OHM +-5% 1/4W FENGHUA	
R921	061G1206335 JF	RST CHIPR 3.3M OHM +-5% 1/4W FENGHUA	
R922	061G1206335 JF	RST CHIPR 3.3M OHM +-5% 1/4W FENGHUA	
R922	061G1206335 JT	RST CHIPR 3.3 MOHM +-5% 1/4W TZAI YUAN	
R921	061G1206335 JT	RST CHIPR 3.3 MOHM +-5% 1/4W TZAI YUAN	
R920	061G1206335 JT	RST CHIPR 3.3 MOHM +-5% 1/4W TZAI YUAN	
R900	061G1206624 JF	RST CHIPR 620KOHM +-5% 1/4W FENGHUA	
R901	061G1206624 JF	RST CHIPR 620KOHM +-5% 1/4W FENGHUA	
R902	061G1206624 JF	RST CHIPR 620KOHM +-5% 1/4W FENGHUA	
R900	061G1206624 JT	RST CHIPR 620 KOHM +-5% 1/4W TZAI YUAN	
R901	061G1206624 JT	RST CHIPR 620 KOHM +-5% 1/4W TZAI YUAN	
R902	061G1206624 JT	RST CHIPR 620 KOHM +-5% 1/4W TZAI YUAN	
C611	065G060310131D Y	NO-SUGGEST 0603 100PF D 50V NPO	
C610	065G060310131D Y	NO-SUGGEST 0603 100PF D 50V NPO	
C610	065G060310131J F	CAP CHIP 0603 100PF J 50V NPO	
C611	065G060310131J F	CAP CHIP 0603 100PF J 50V NPO	
C610	065G060310131J Y	CAP CHIP 0603 100P 50V NP0 +/-5%	
C611	065G060310131J Y	CAP CHIP 0603 100P 50V NP0 +/-5%	
C916	065G060310312K Y	CAP CHIP 0603 10NF K 16V X7R	
C916	065G060310332K A	CAP 0603 10NF 10% 50V X7R	
C603	065G060310432K F	CAP CHIP 0603 0.1UF K 50V X7R	
C614	065G060310432K F	CAP CHIP 0603 0.1UF K 50V X7R	
C603	065G060310432K Y	CAP 0603 100NF 10% 50V X7R	
C614	065G060310432K Y	CAP 0603 100NF 10% 50V X7R	
C601	065G060347412K T	CAP CHIP 0603 0.47UF K 16V X7R	
C606	065G060347412K T	CAP CHIP 0603 0.47UF K 16V X7R	
C601	065G060347412K Y	CAP CHIP 0.47UF 16V +/-10% X7R	
C606	065G060347412K Y	CAP CHIP 0.47UF 16V +/-10% X7R	
C915	065G080510432K A	CAP CHIP 0805 0.1UF K 50V X7R	

C917	065G080510432K	A	CAP CHIP 0805 0.1UF K 50V X7R
C905	065G080510432K	A	CAP CHIP 0805 0.1UF K 50V X7R
C905	065G080510432K	F	CAP CHIP 0805 0.1UF K 50V X7R
C915	065G080510432K	Y	CAP CHIP 0805 100N 50V X7R +/-10%
C917	065G080510432K	Y	CAP CHIP 0805 100N 50V X7R +/-10%
C609	065G080510522K	M	CAP 0805 1UF 10% 25V X7R
C608	065G080522522K	M	CAP 0805 2.2UF 10% 25V X7R
C608	065G080522522K	T	CAP 0805 2.2UF 10% 25V X7R
C901	065G080582031J	A	CAP CHIP 0805 82PF J 50V NPO
C901	065G080582031J	Y	CAP CHIP 0805 82P 50V NP0 +/-5%
C910	065G1206222B2K	3	CER 1206 2N2 500V X7R 10%
C911	065G1206222B2K	3	CER 1206 2N2 500V X7R 10%
C919	065G1206222B2K	3	CER 1206 2N2 500V X7R 10%
C920	065G1206222B2K	3	CER 1206 2N2 500V X7R 10%
C910	065G1206222B2K	M	CAP 1206 2.2NF 10% 630V X7R
C911	065G1206222B2K	M	CAP 1206 2.2NF 10% 630V X7R
C919	065G1206222B2K	M	CAP 1206 2.2NF 10% 630V X7R
C920	065G1206222B2K	M	CAP 1206 2.2NF 10% 630V X7R
CN901	006G 31500		EYELET
IC903	056G 158 10 T		LDO IC AZ431AZ-AE1 TO-92 150MA 40V TO-92
IC903	056G 158 12		SHUNT REGULATOR KIA431A-AT/P TO-92
Q901	057G 530503 T		2SD1207T
Q901	057G 761 16		TRA KTD1028 KEC
R919	061G152M10452T		NO-SUGGEST RST MOFR 100KOHM +-5% 2WS
R918	061G152M25152T		RST MOFR 250 OHM +-5% 2WS
C906	065G 2K152 2T6213		CAP CER 1.5NF 10% 2KV Y5P
C906	065G 2K152 2T6921		CAP CER 1500PF K 2KV Y5P
C913	067G 2046812KT		CS CAP 680UF 10V 8*11 MM
C913	067G 2046812LT		CAP CS 680UF 20% 10V 8*11.5
C908	067G 2154707NT		KY50VB47M-TP5 6.3*11
C908	067G 2154707RT		47UF +-20% 50V
C604	067G215Y1014KT		EC CAP.105 度 EG
C613	067G215Y1014KT		EC CAP.105 度 EG
FB902	071G 55 9 T		BEAD 3.5*0.8*6.0MM 110R HF
FB602	071G 55 29		FERRITE BEAD
FB603	071G 55 29		FERRITE BEAD
FB603	071G 55 29 T		FERRITE BEAD
FB602	071G 55 29 T		FERRITE BEAD
F901	084G 55 5		FUSE 2.5A 250V
F902	084G 56 4 B		FUSE 4A 250V

F601	084G 56 4 B	FUSE 4A 250V	
F902	084G 56 4W	FUSE 4A 250V	
F601	084G 56 4W	FUSE 4A 250V	
ZD902	093G 3916752T	MTZJ T-72 16B	
ZD901	093G 3916852T	ZENER MTZJ T-72 22B 22V 0.5W DO-34	
ZD902	093G 3954752T	DIODE MTZJ16B SEMTECH	
ZD901	093G 39A6852T	ZENER DIODES MTZJ22B DO-34	
D902	093G 6026T52T	CTIFIER DIODE FR107	
D901	093G 6038P52T	PS102R	
D901	093G 6038T52T	FR103 AO	
D601	093G 64 1152T	SWITCHING IN4148 1A 100V DO-35	
D601	093G 6452452T	SWITCHING 1N4148-B4006 0.2A 100V DO-35	
D902	093G110050152T	DIODE PR1007 1A/1000V 500NS DO-41	
J615	095G 90 23	JUMPER WIRE	
J614	095G 90 23	JUMPER WIRE	
J616	095G 90 23	JUMPER WIRE	
J900	095G 90 23	JUMPER WIRE	
J901	095G 90 23	JUMPER WIRE	
J902	095G 90 23	JUMPER WIRE	
J903	095G 90 23	JUMPER WIRE	
J904	095G 90 23	JUMPER WIRE	
J601	095G 90 23	JUMPER WIRE	
J905	095G 90 23	JUMPER WIRE	
J906	095G 90 23	JUMPER WIRE	
J617	095G 90 23	JUMPER WIRE	
J612	095G 90 23	JUMPER WIRE	
J600	095G 90 23	JUMPER WIRE	
J602	095G 90 23	JUMPER WIRE	
J603	095G 90 23	JUMPER WIRE	
J604	095G 90 23	JUMPER WIRE	
J606	095G 90 23	JUMPER WIRE	
J607	095G 90 23	JUMPER WIRE	
J608	095G 90 23	JUMPER WIRE	
J609	095G 90 23	JUMPER WIRE	
J610	095G 90 23	JUMPER WIRE	
J611	095G 90 23	JUMPER WIRE	
E715	715G3189P02LED001M	PWR PCB FR1 SS 152*122*1.6MM	2nd source
E715	715G3189P02LED001S	PWR PCB FR1 SS 152X122*1.6MM	
HS4	Q90G6295 3	HEAT SINK	
T901	S80GL19P1V	XFMR FOR POWER 1.06MH TPV-PT	